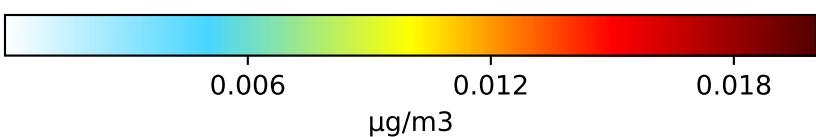
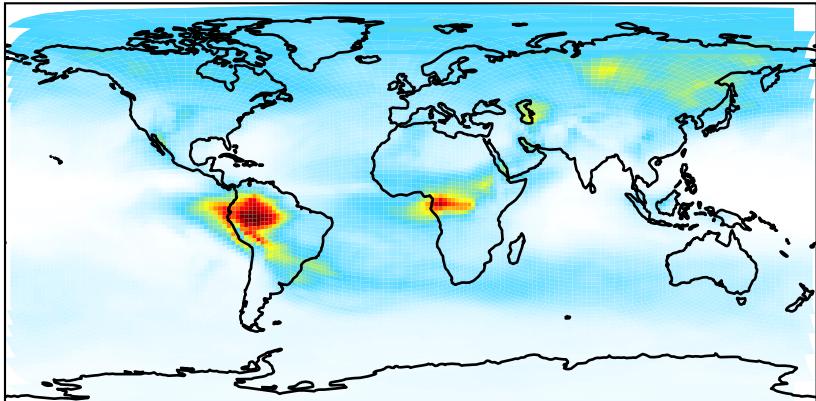
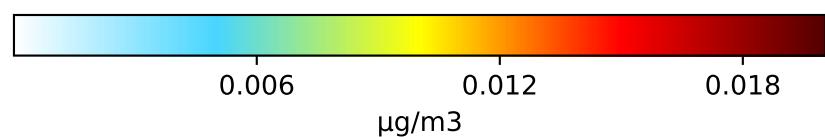
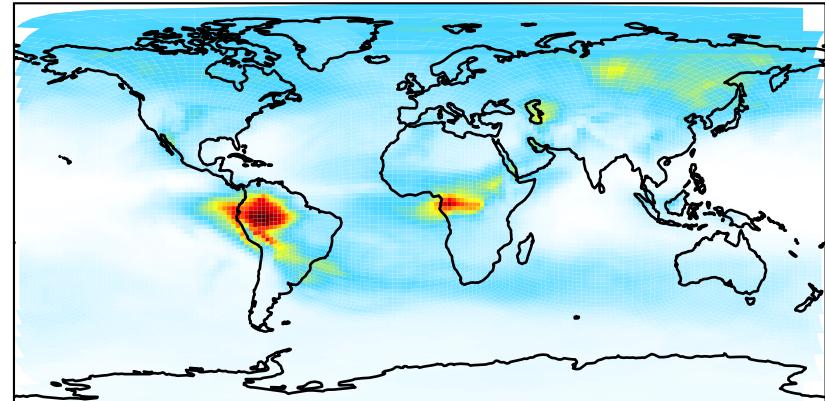


SpeciesConc_TSOA0

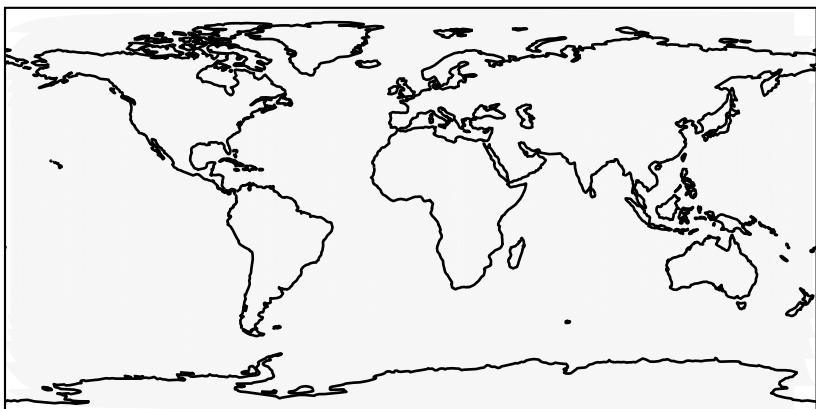
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

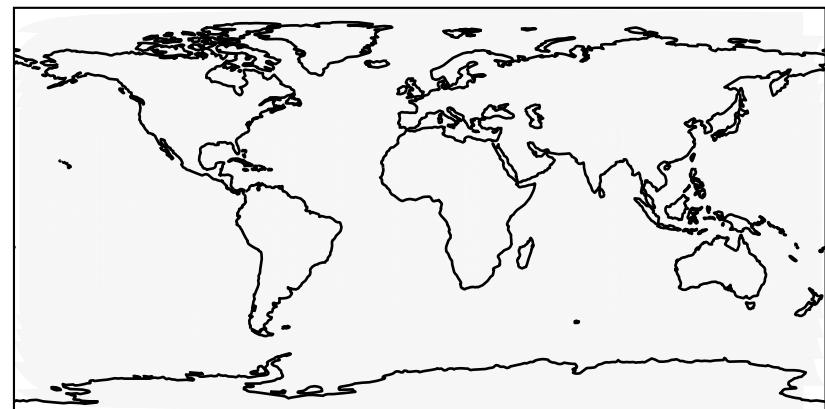


Difference
Dev - Ref, Dynamic Range



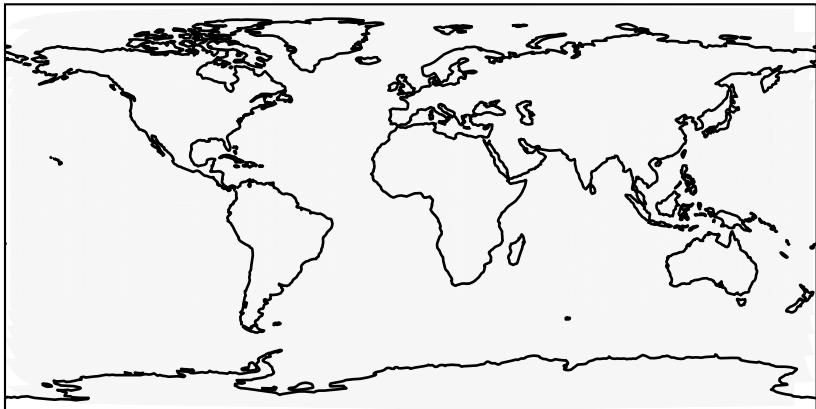
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Restricted Range [5%,95%]



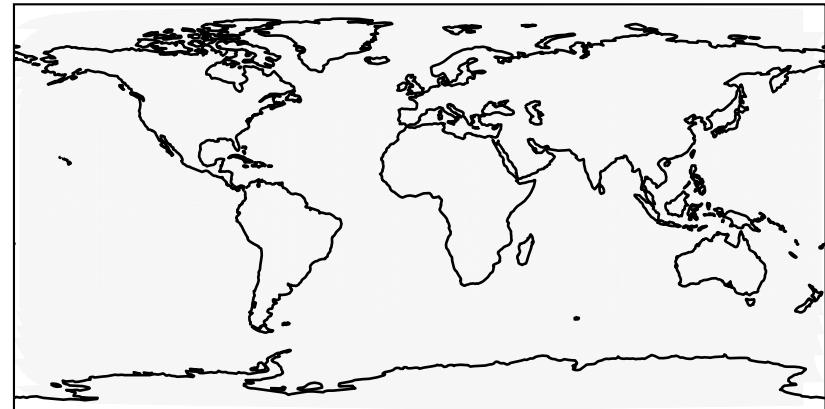
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

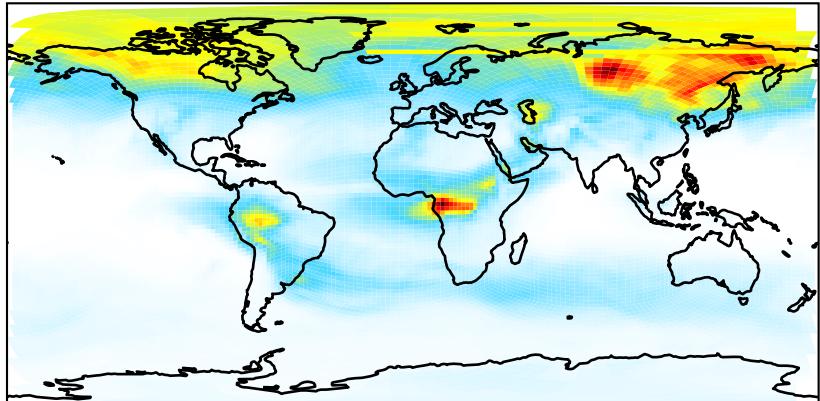
Ratio
Dev/Ref, Fixed Range



10^0
unitless

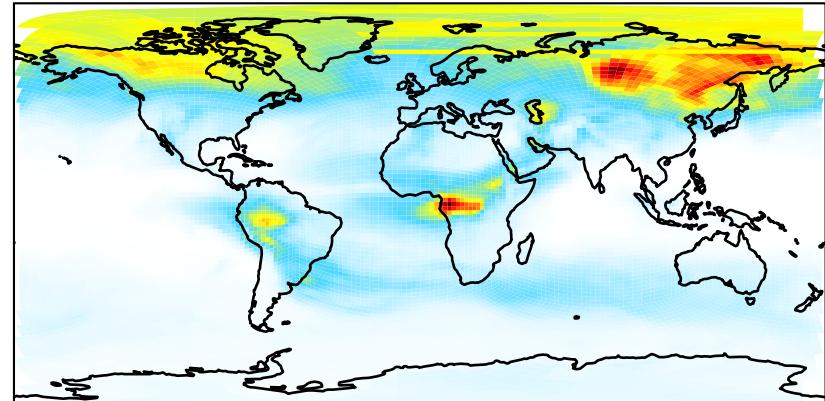
SpeciesConc_TSOA1

GCHP_13.2.0-beta.0 (Ref)
c48



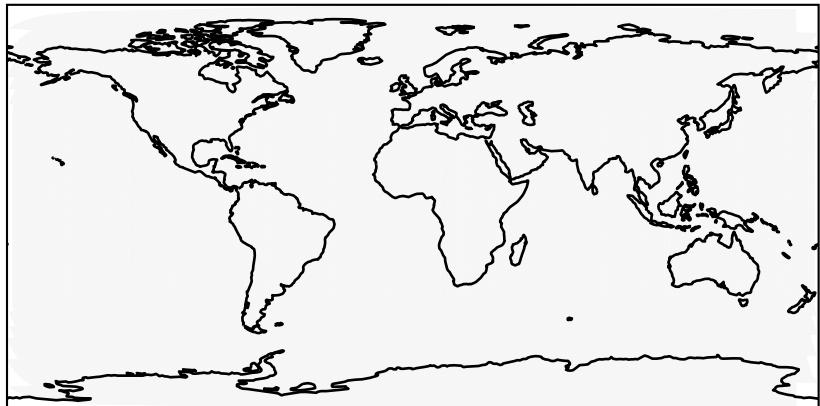
0.0015 0.0030 0.0045
µg/m³

GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48



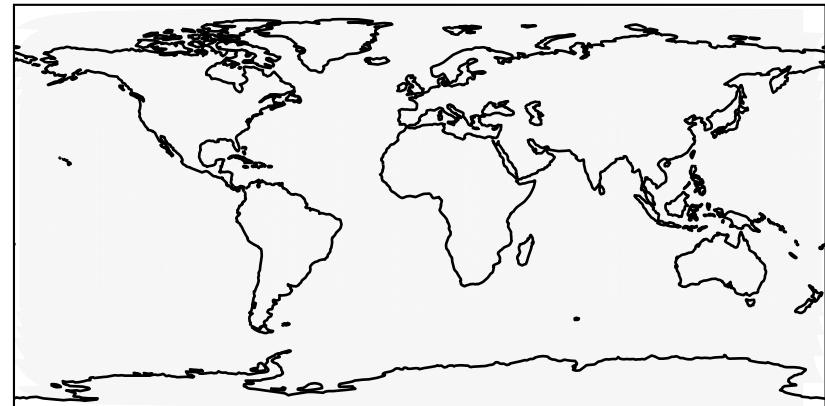
0.0015 0.0030 0.0045
µg/m³

Difference
Dev - Ref, Dynamic Range



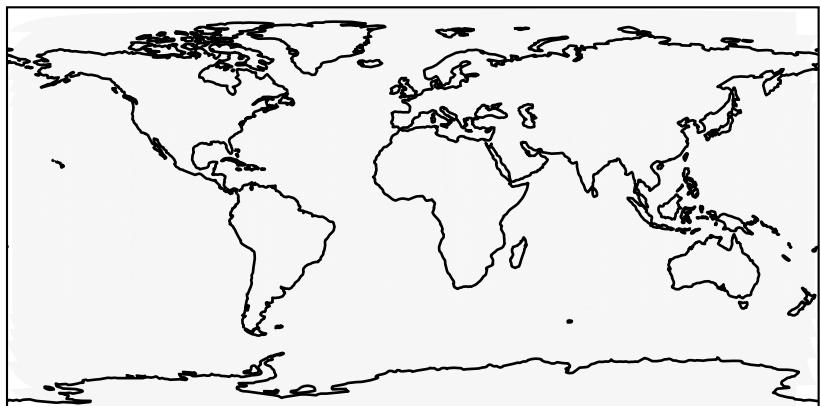
Zero throughout domain
µg/m³

Difference
Dev - Ref, Restricted Range [5%,95%]



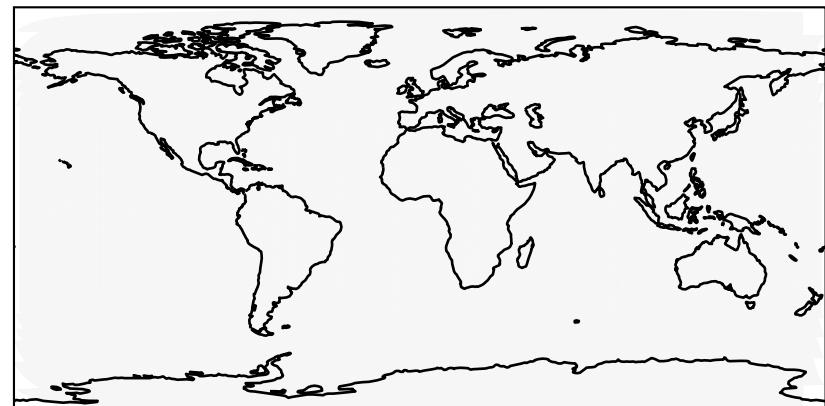
Zero throughout domain
µg/m³

Ratio
Dev/Ref, Dynamic Range



10⁰
unitless

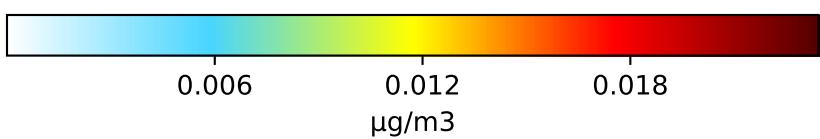
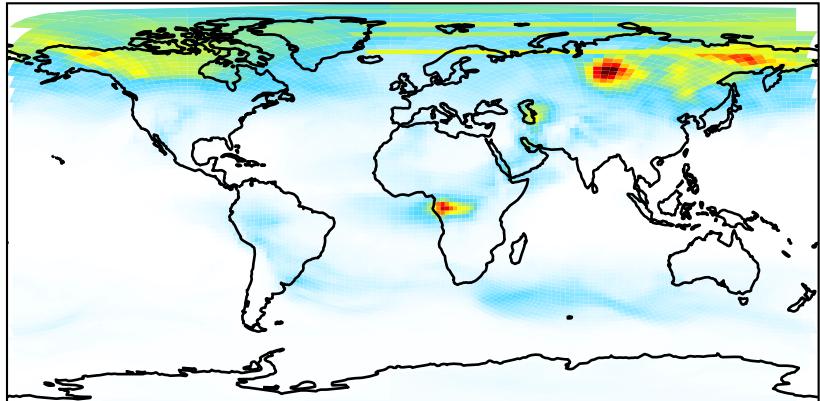
Ratio
Dev/Ref, Fixed Range



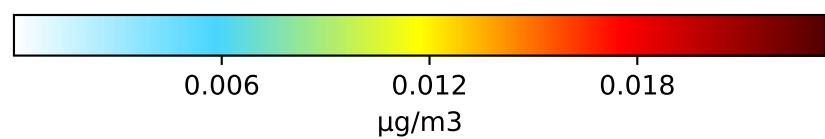
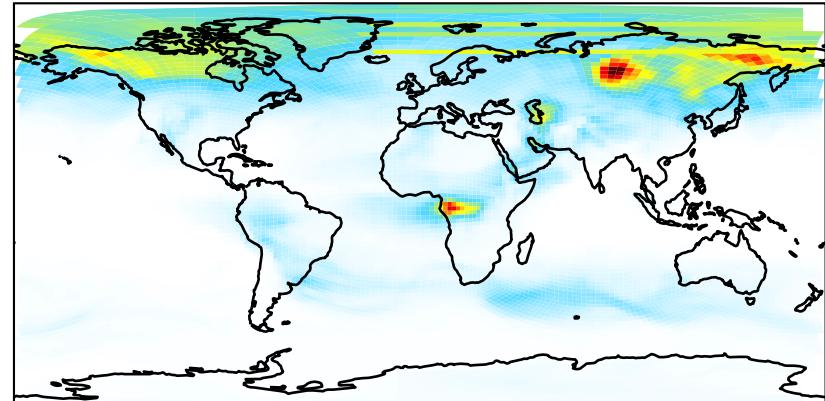
10⁰
unitless

SpeciesConc_TSOA2

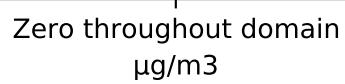
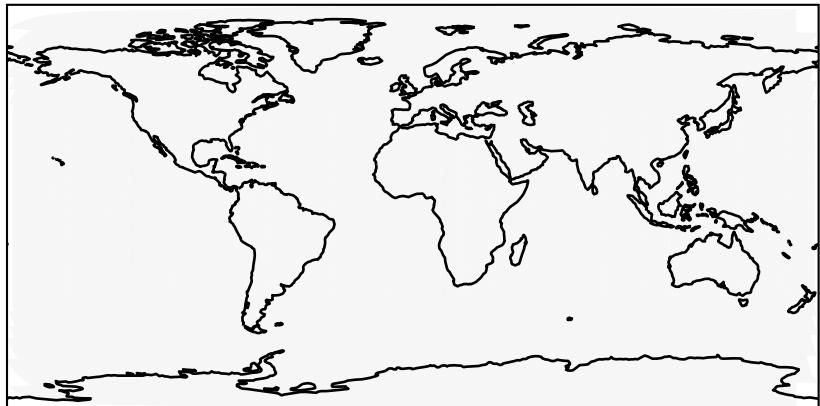
GCHP_13.2.0-beta.0 (Ref)
c48



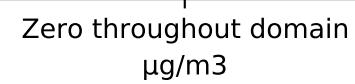
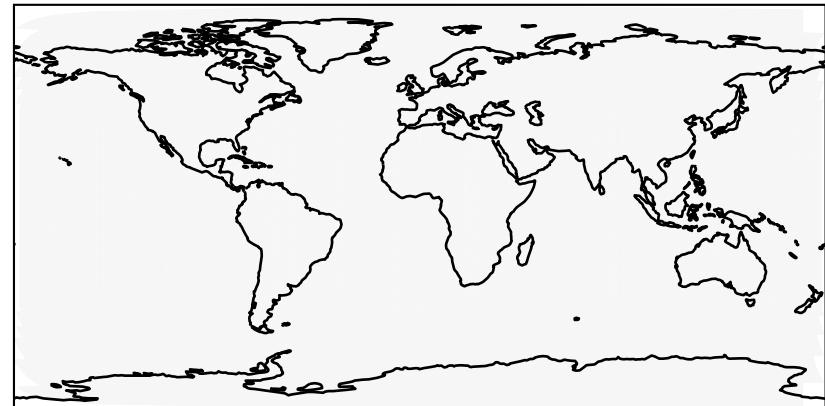
GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48



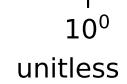
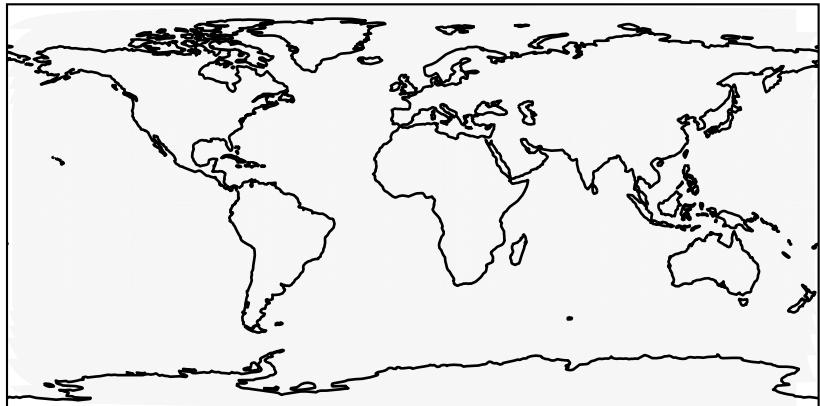
Difference
Dev - Ref, Dynamic Range



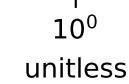
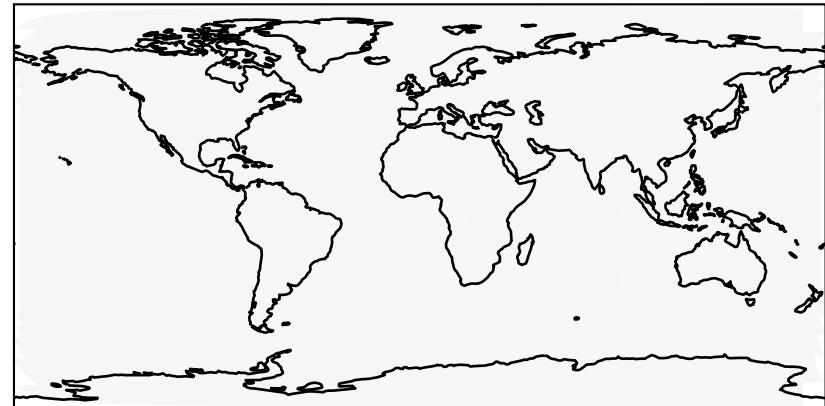
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

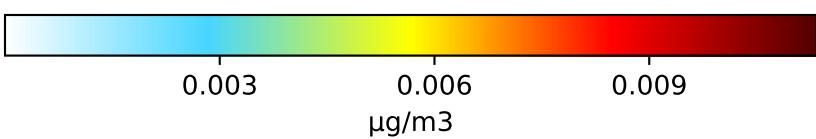
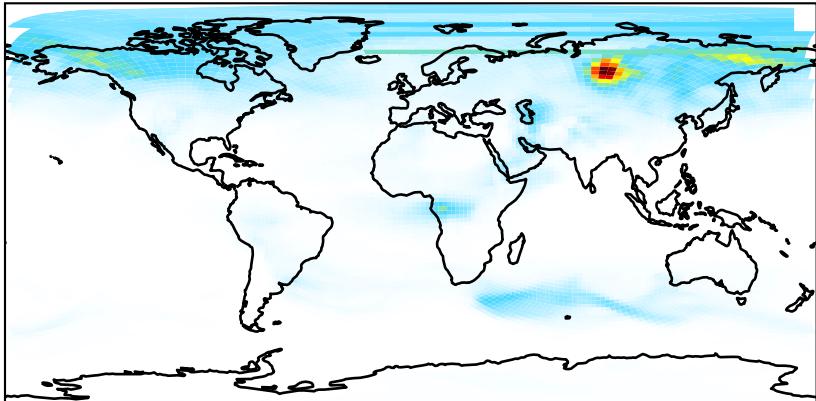


Ratio
Dev/Ref, Fixed Range

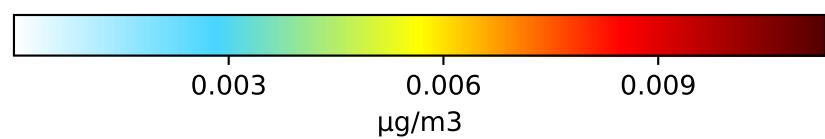
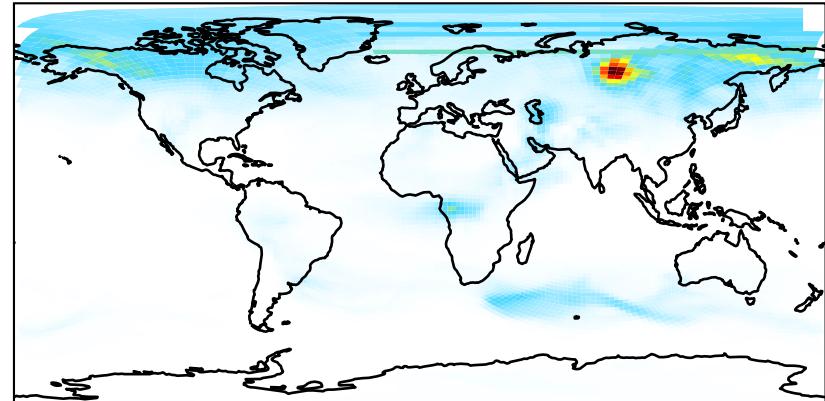


SpeciesConc_TSOA3

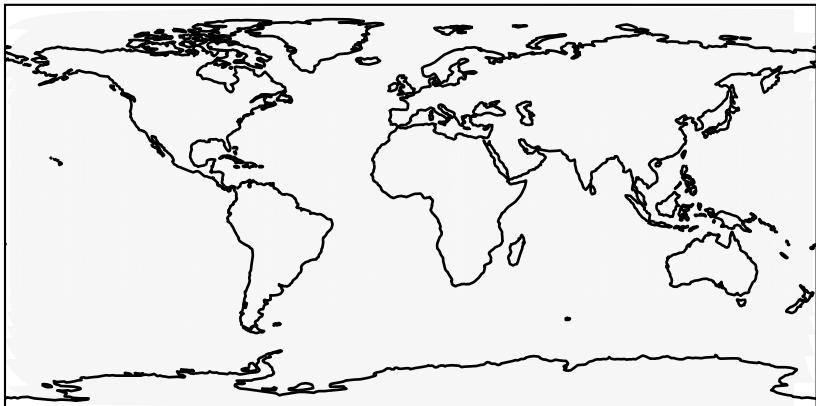
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

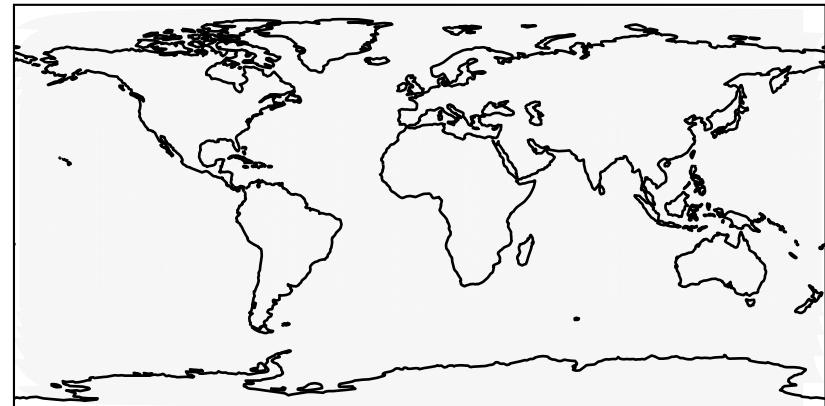


Difference
Dev - Ref, Dynamic Range



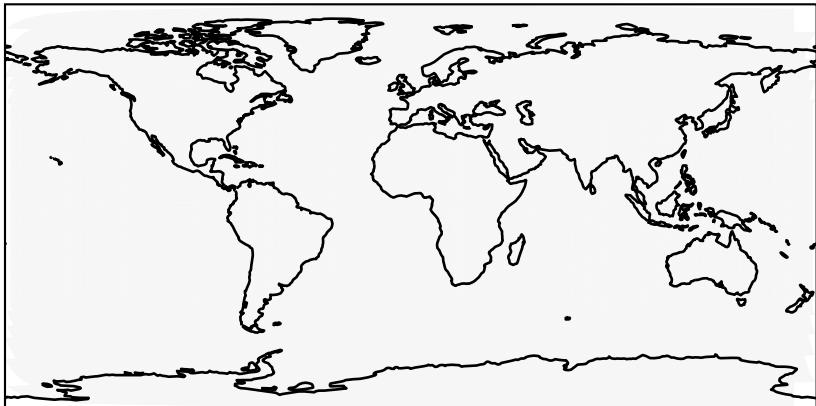
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Restricted Range [5%,95%]



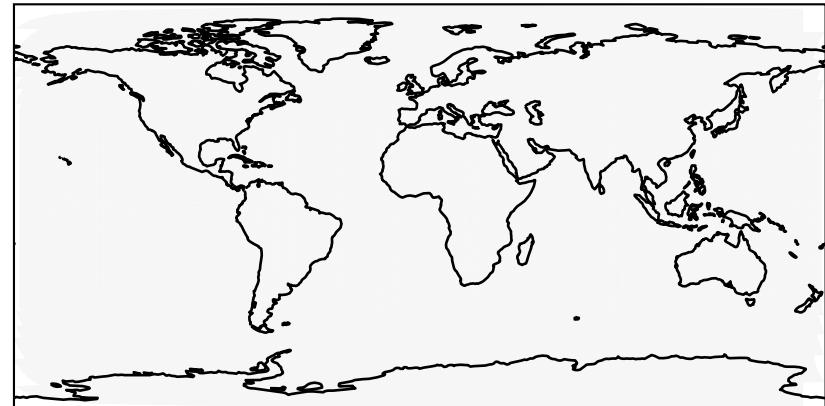
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

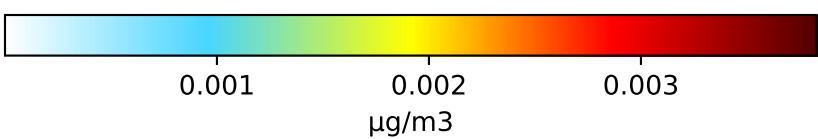
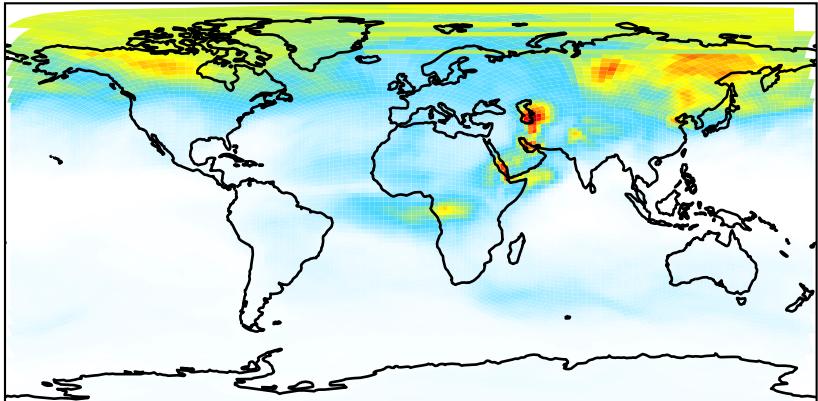
Ratio
Dev/Ref, Fixed Range



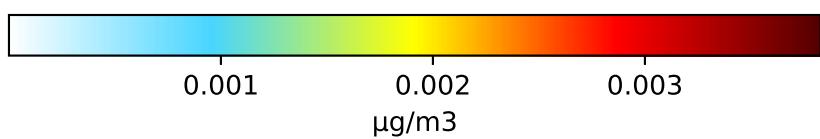
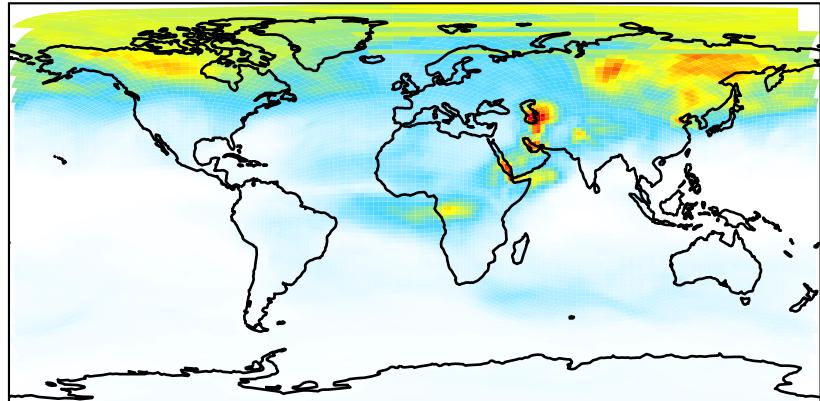
10^0
unitless

SpeciesConc_ASOA1

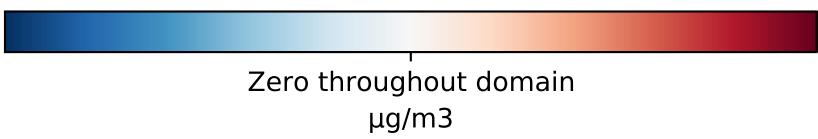
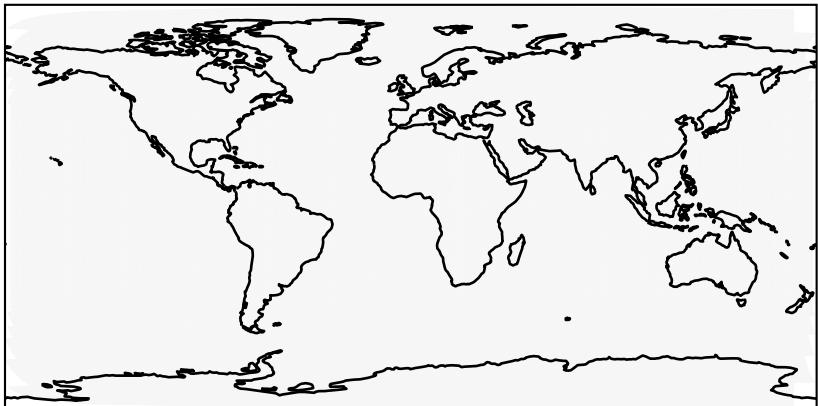
GCHP_13.2.0-beta.0 (Ref)
c48



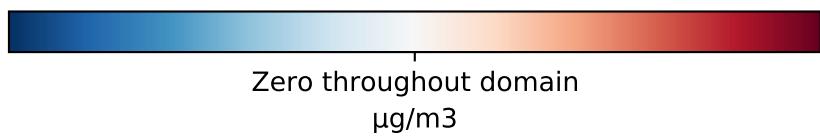
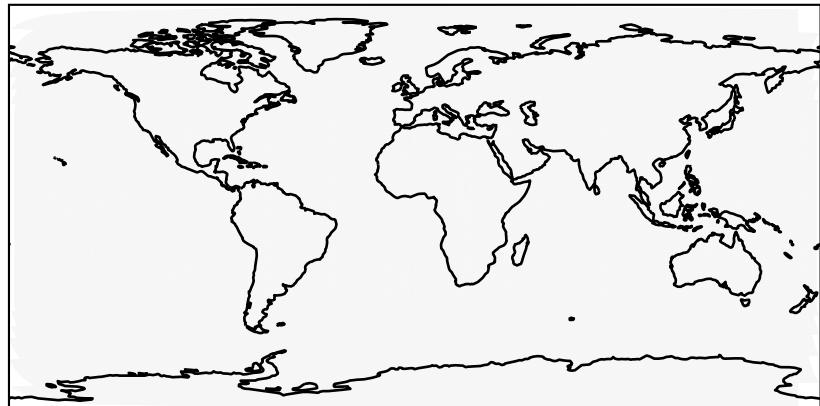
GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48



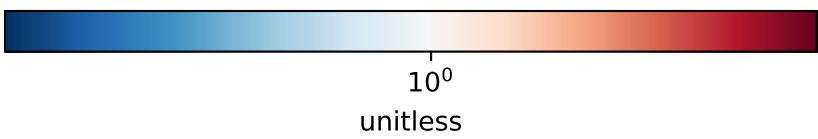
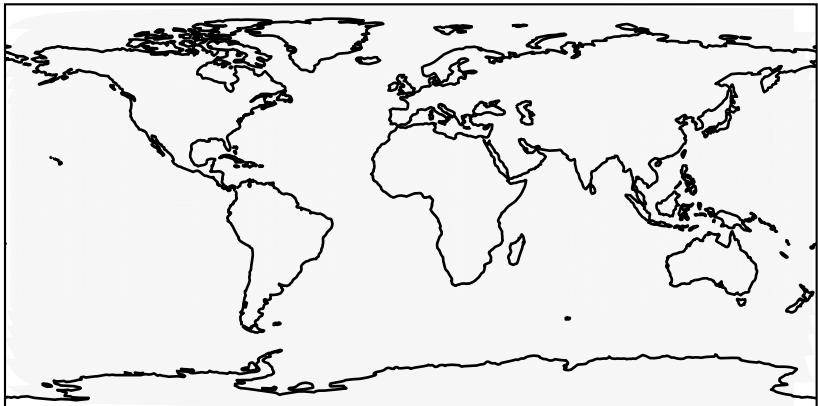
Difference
Dev - Ref, Dynamic Range



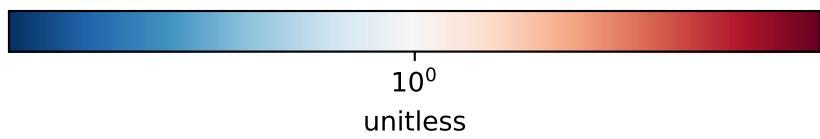
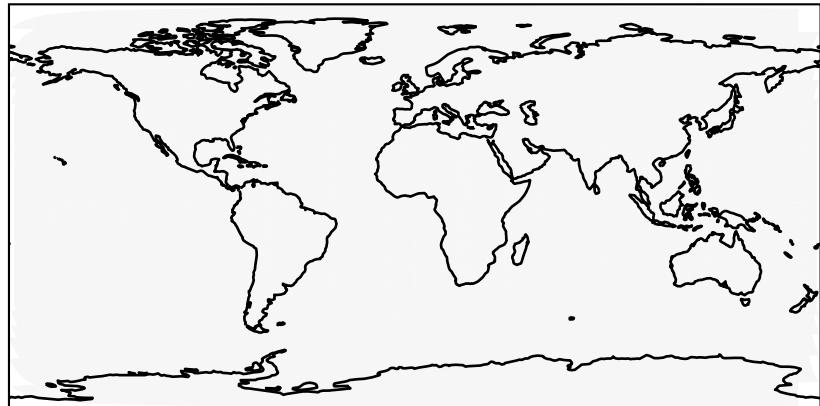
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

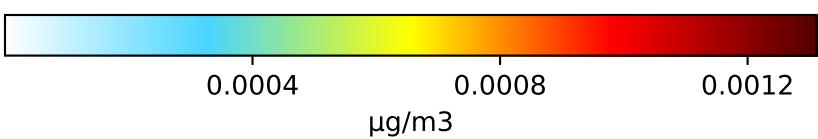
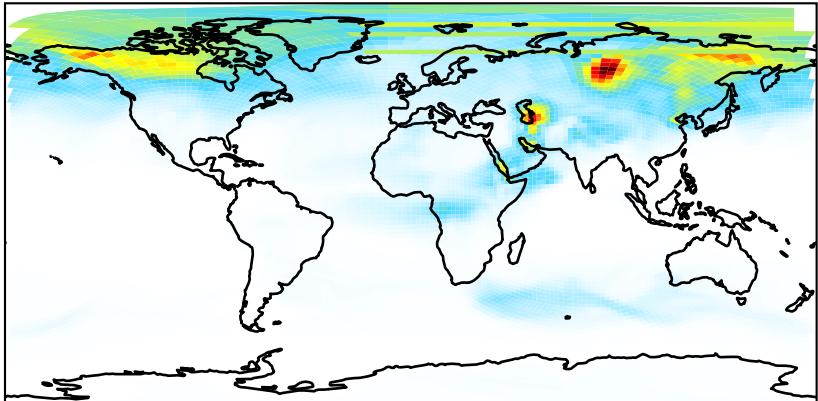


Ratio
Dev/Ref, Fixed Range

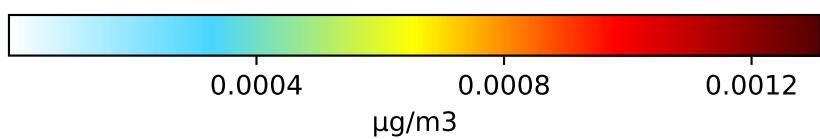
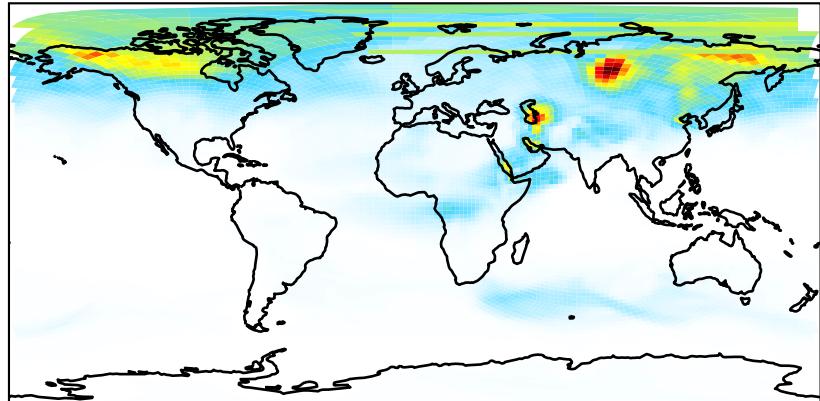


SpeciesConc_ASOA2

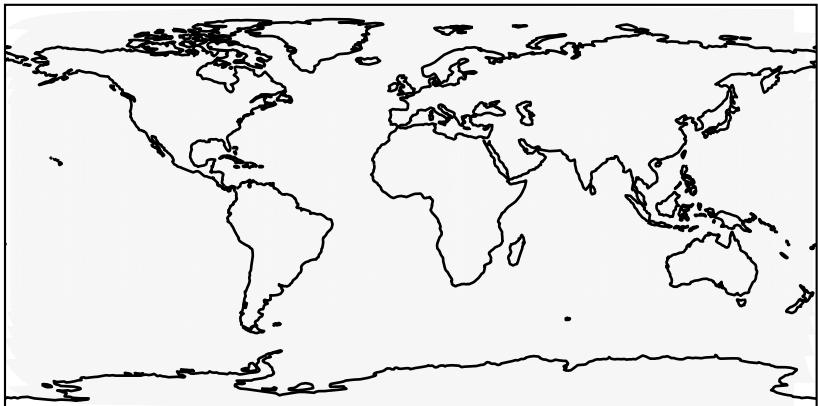
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

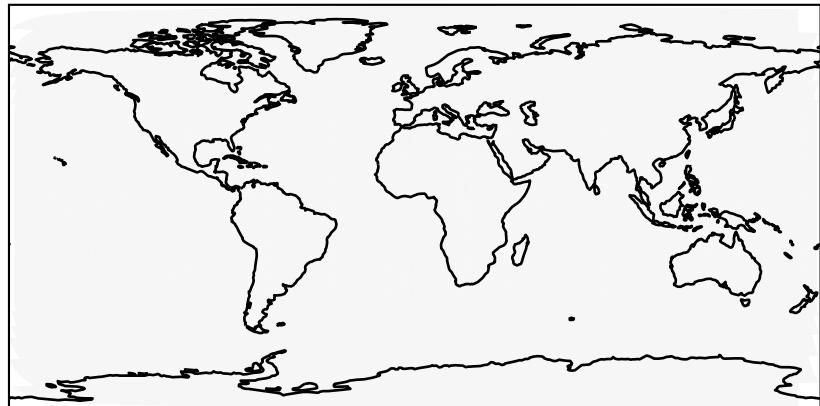


Difference
Dev - Ref, Dynamic Range



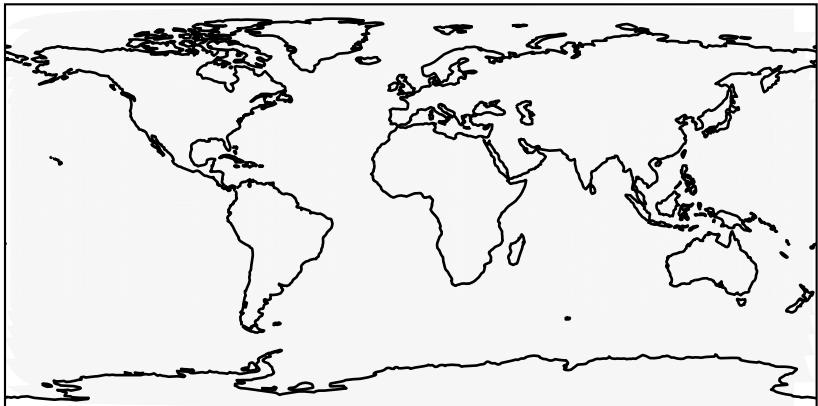
Zero throughout domain
µg/m³

Difference
Dev - Ref, Restricted Range [5%,95%]



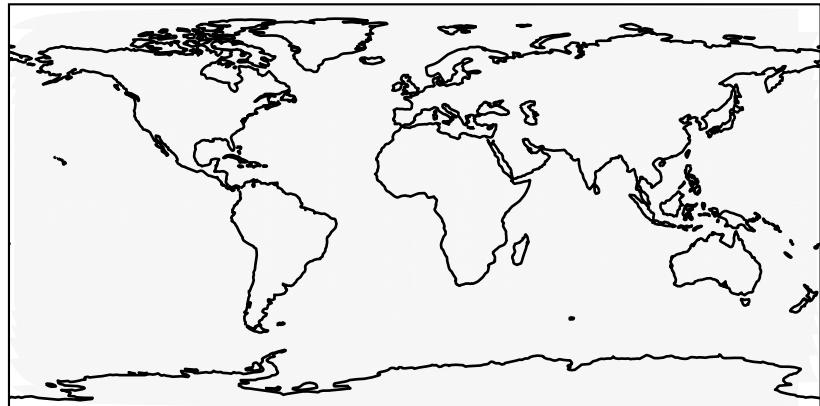
Zero throughout domain
µg/m³

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

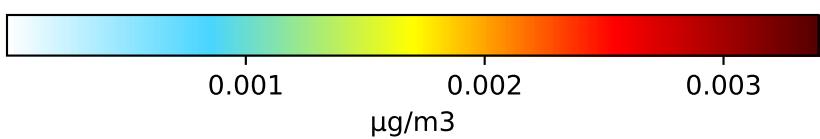
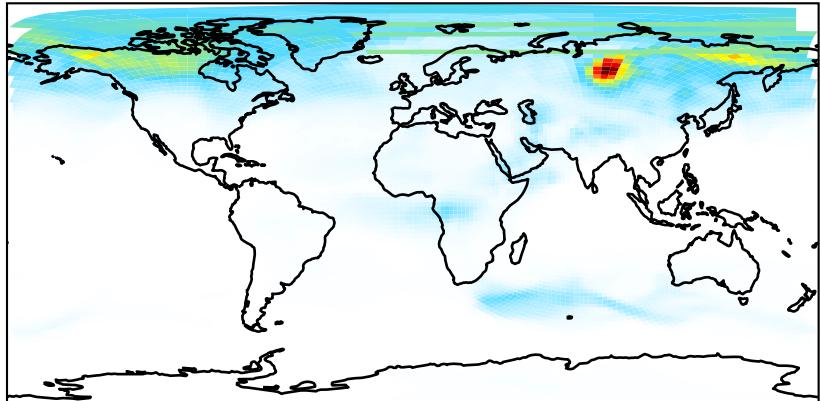
Ratio
Dev/Ref, Fixed Range



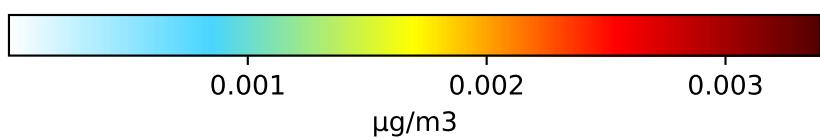
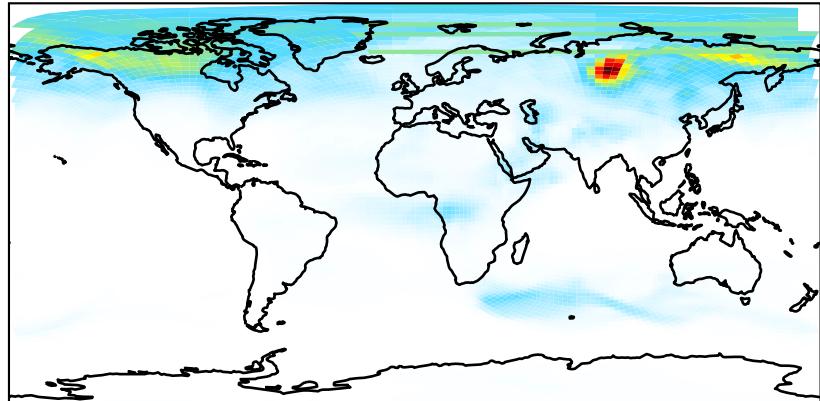
10^0
unitless

SpeciesConc_ASOA3

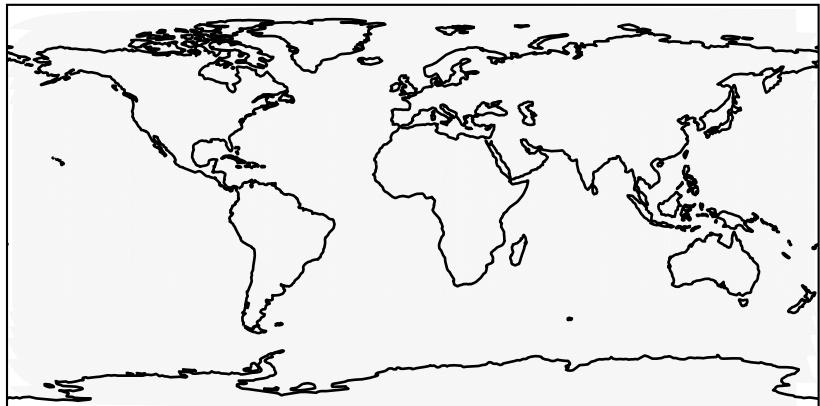
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

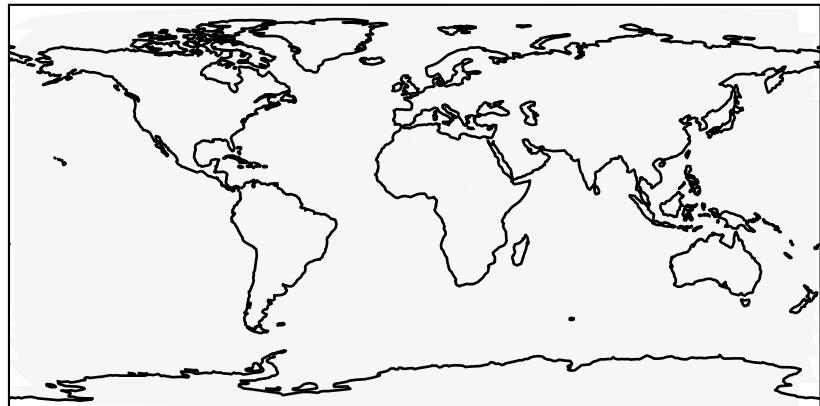


Difference
Dev - Ref, Dynamic Range



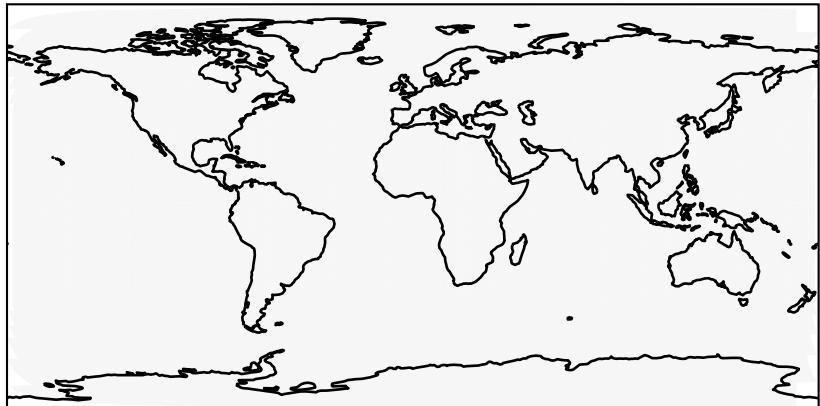
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Restricted Range [5%,95%]



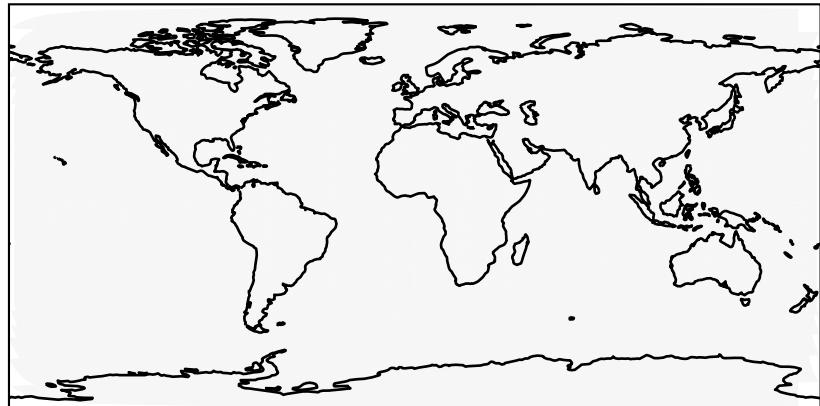
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

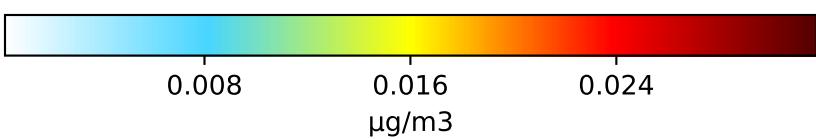
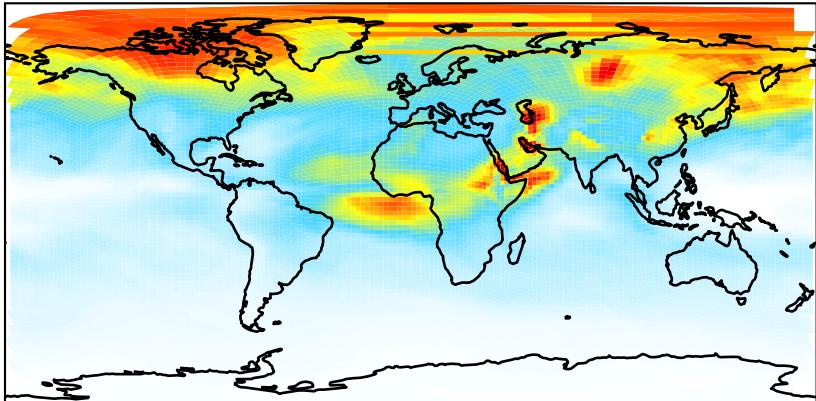
Ratio
Dev/Ref, Fixed Range



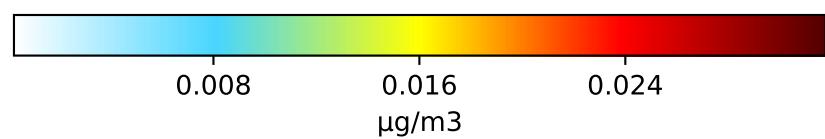
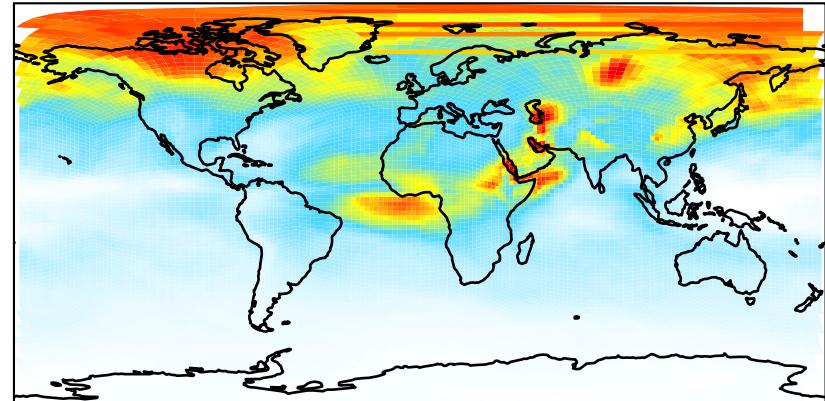
10^0
unitless

SpeciesConc_ASOAN

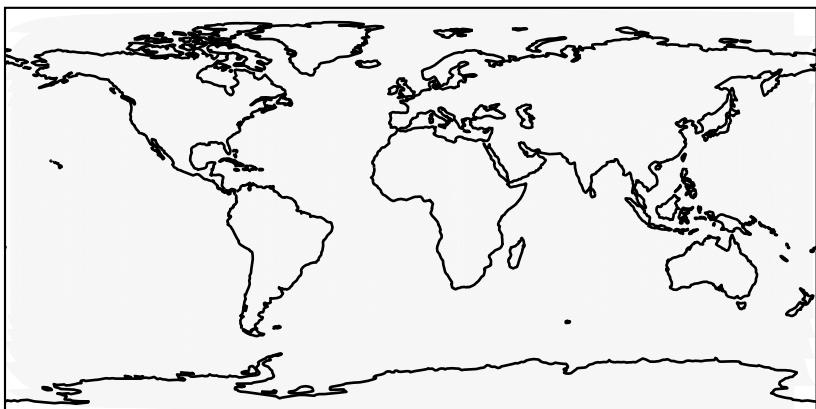
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

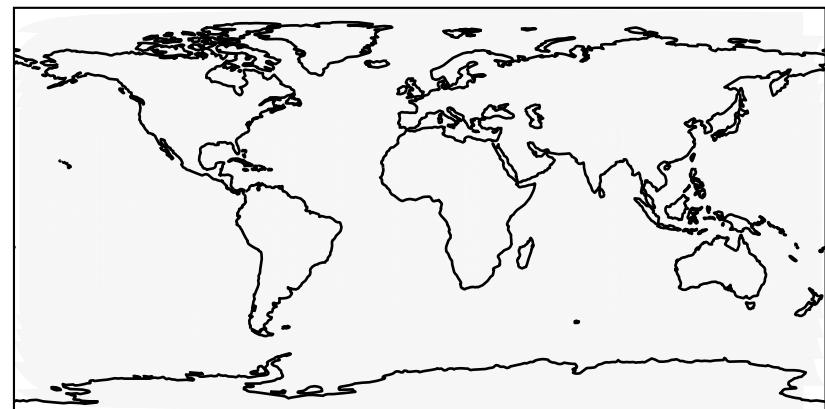


Difference
Dev - Ref, Dynamic Range



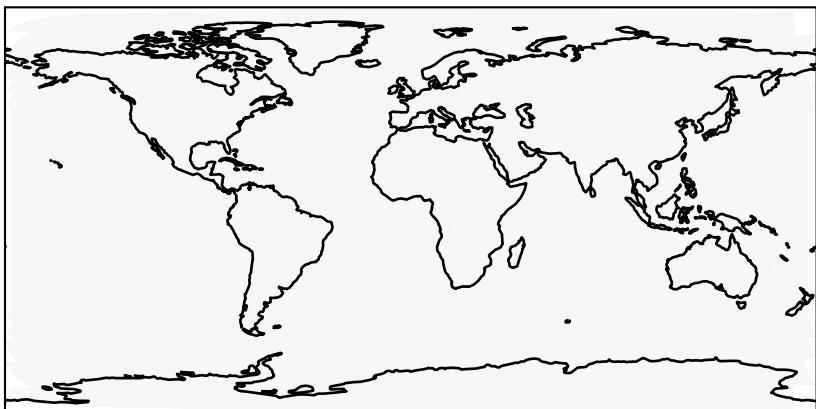
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Restricted Range [5%,95%]



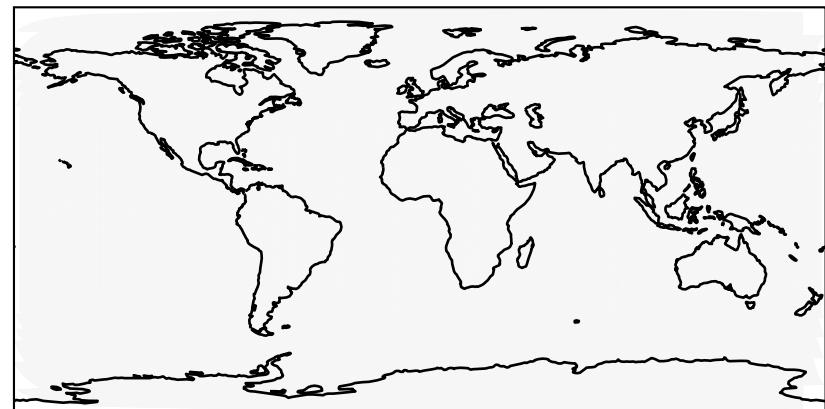
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

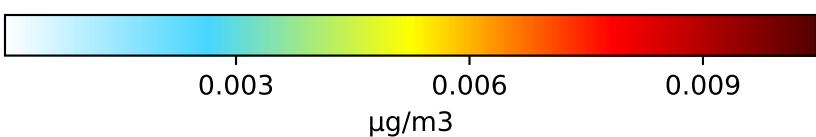
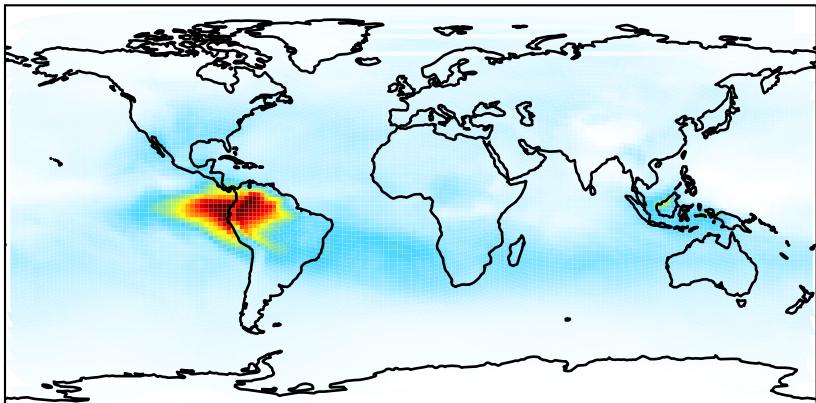
Ratio
Dev/Ref, Fixed Range



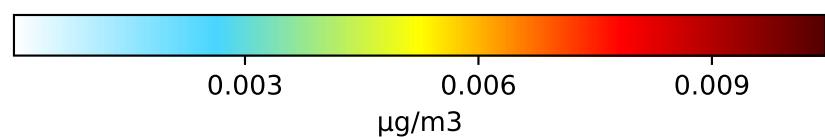
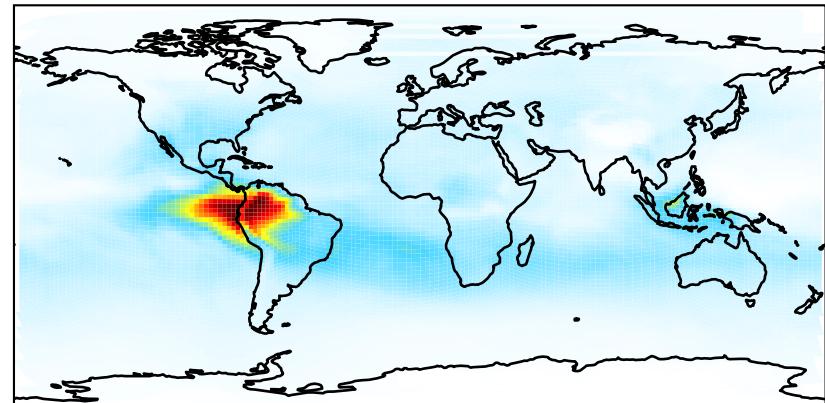
10^0
unitless

SpeciesConc_TSOG0

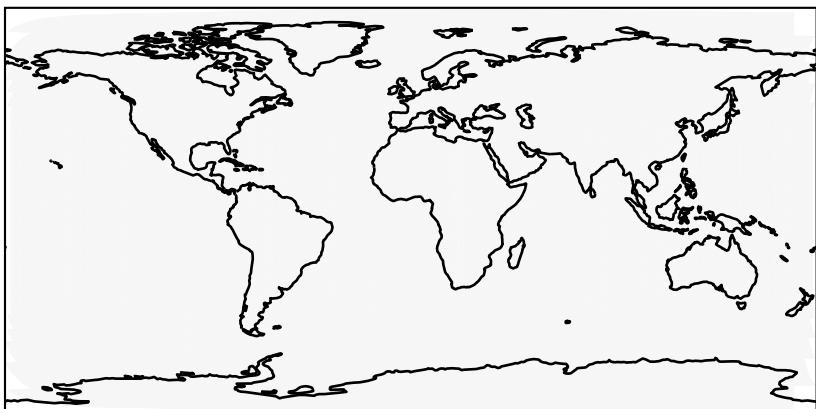
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

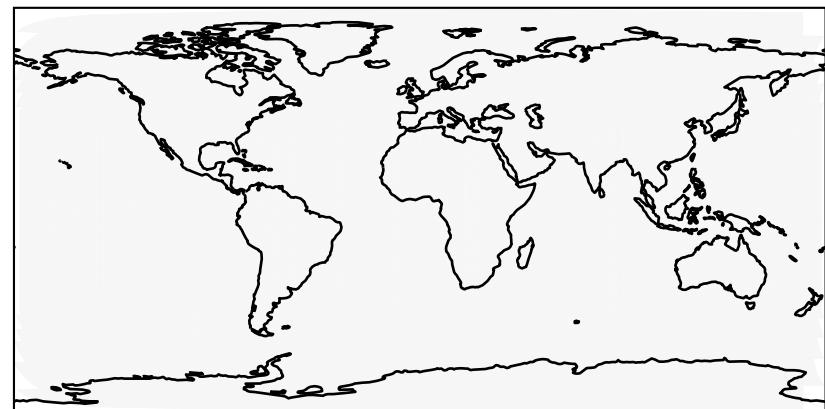


Difference
Dev - Ref, Dynamic Range



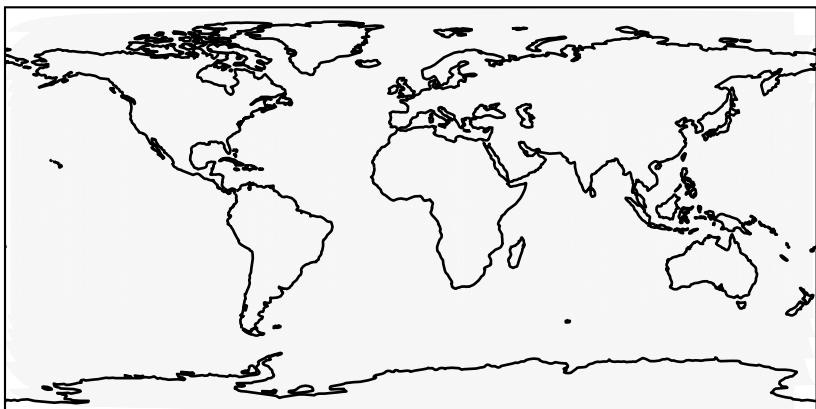
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Restricted Range [5%,95%]



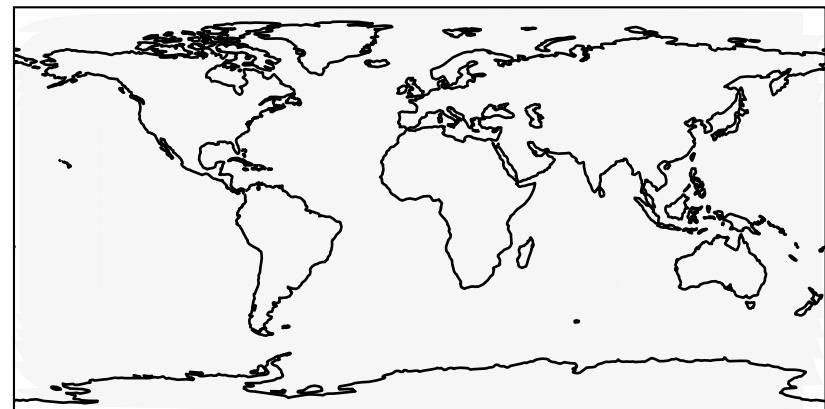
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

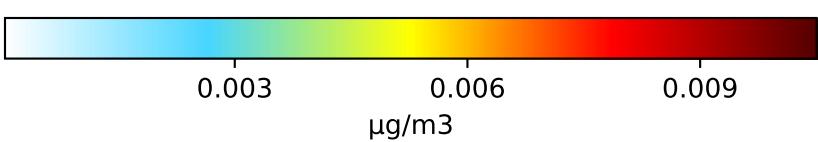
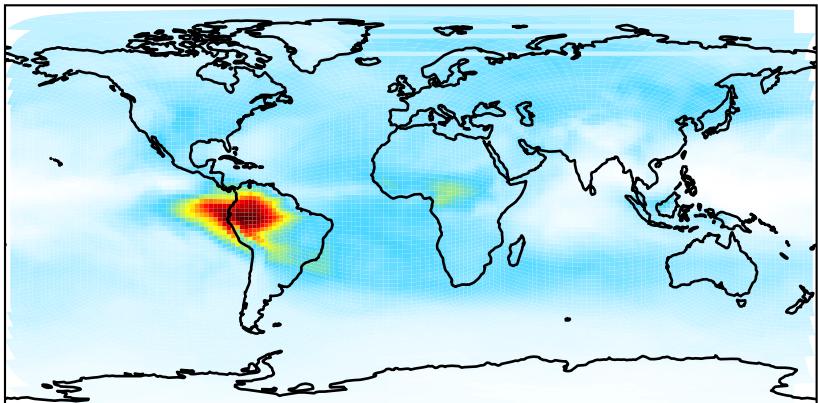
Ratio
Dev/Ref, Fixed Range



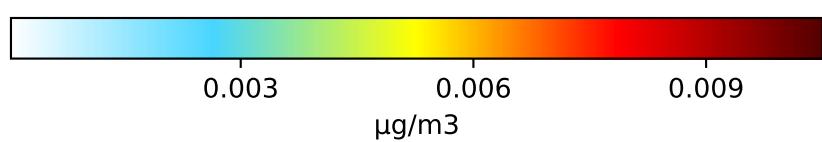
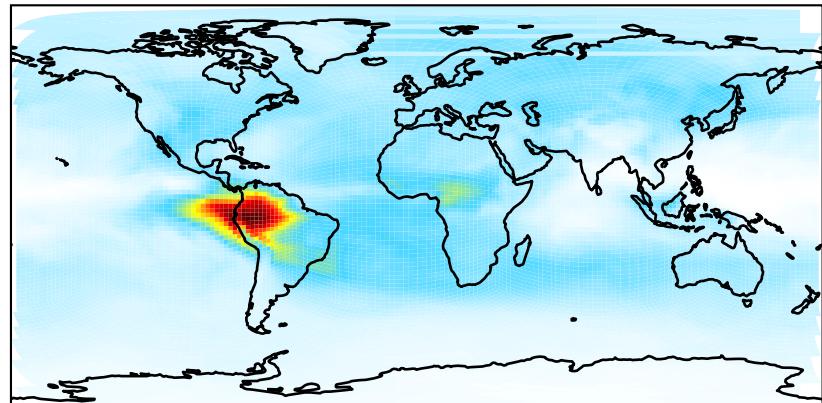
10^0
unitless

SpeciesConc_TSOG1

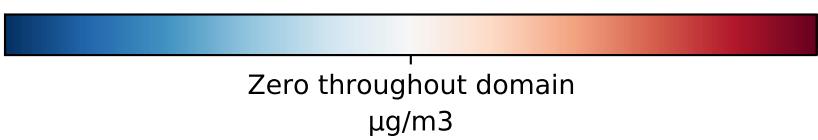
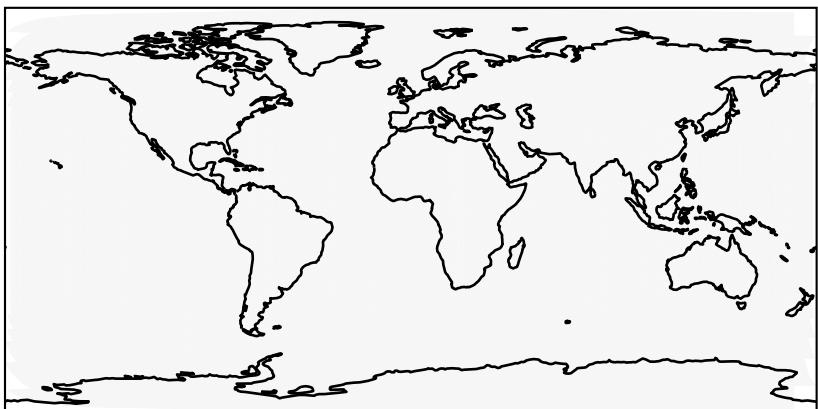
GCHP_13.2.0-beta.0 (Ref)
c48



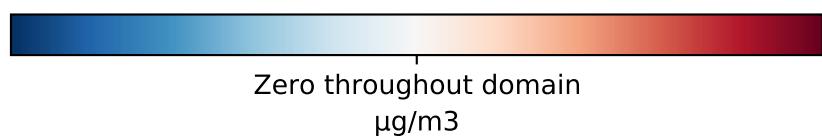
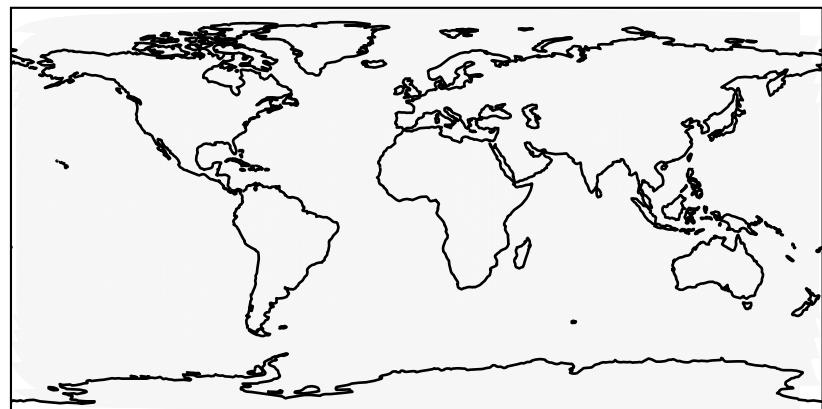
GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48



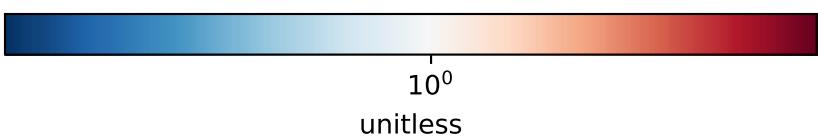
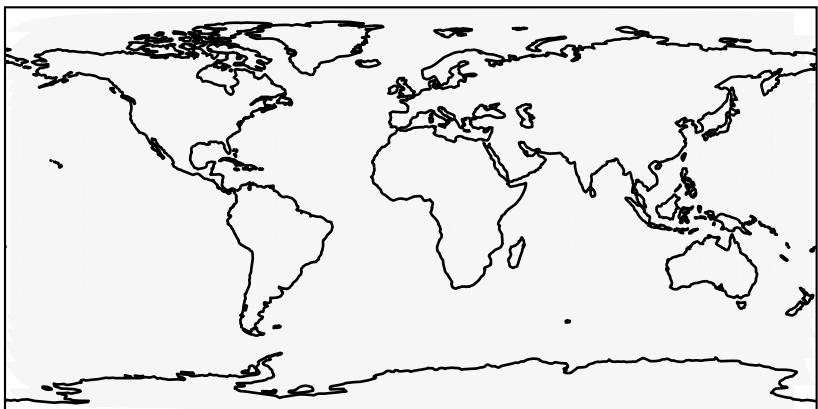
Difference
Dev - Ref, Dynamic Range



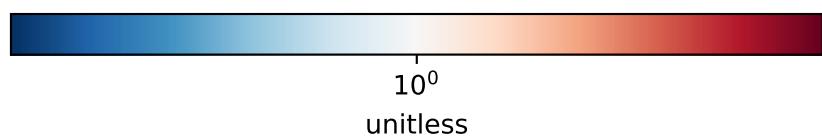
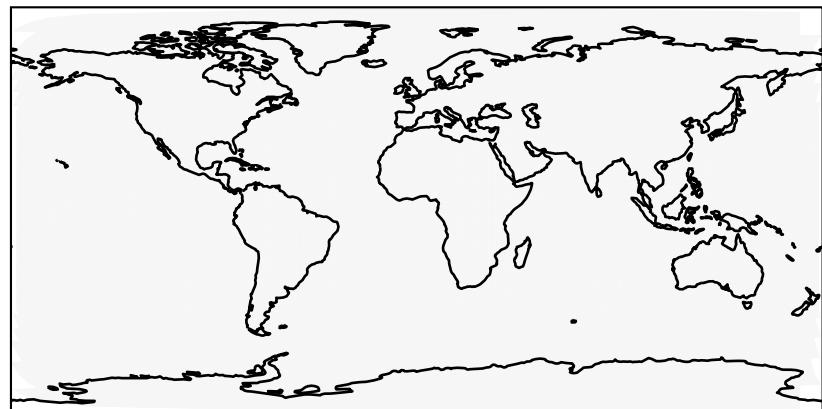
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

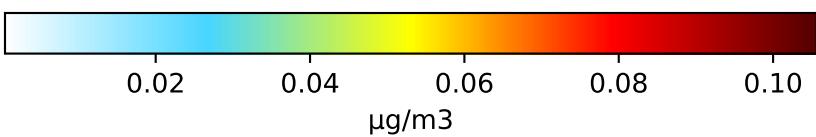
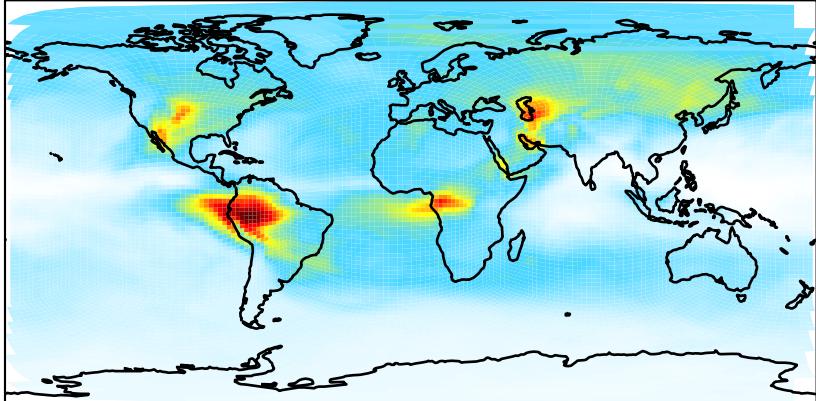


Ratio
Dev/Ref, Fixed Range

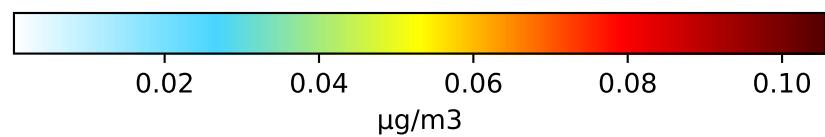
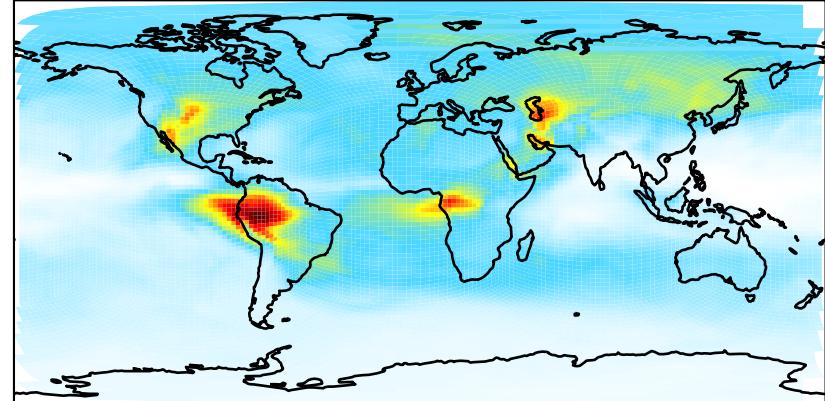


SpeciesConc_TSOG2

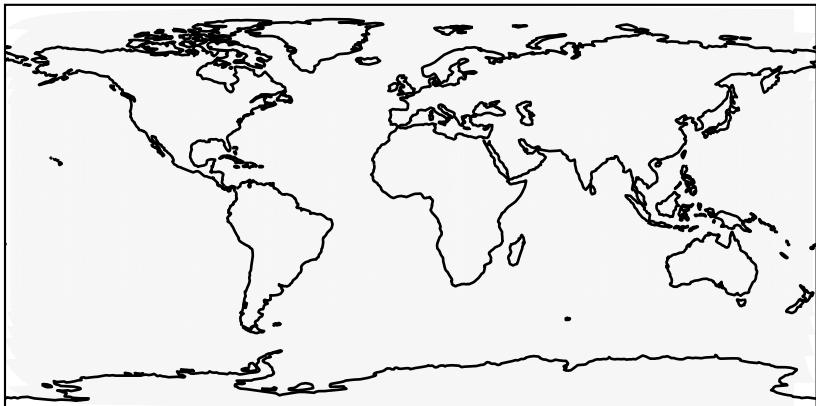
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

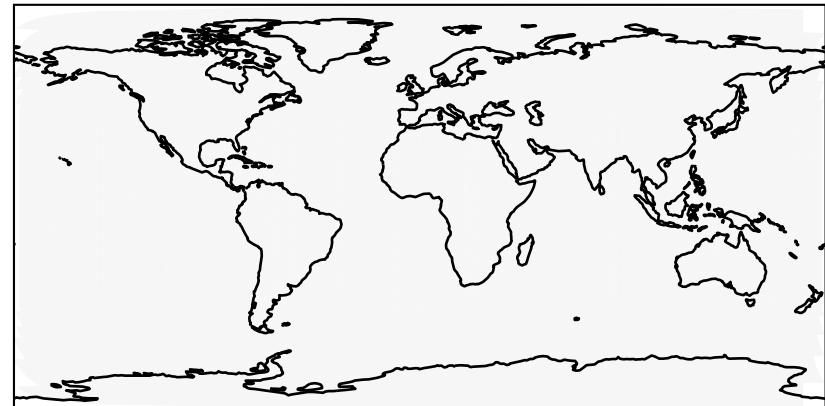


Difference
Dev - Ref, Dynamic Range



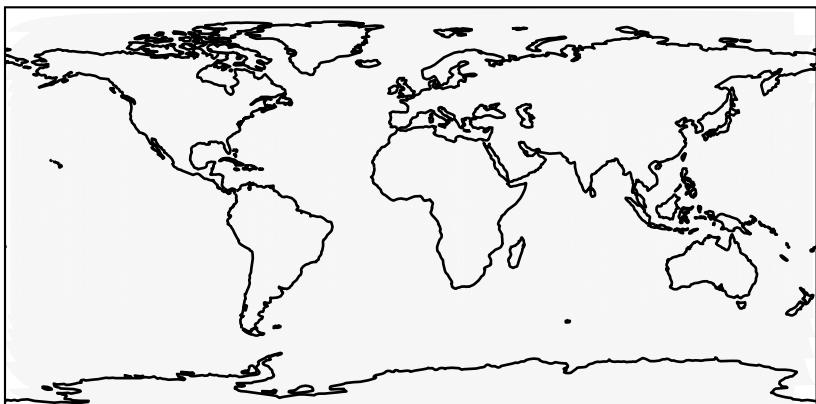
Zero throughout domain
µg/m³

Difference
Dev - Ref, Restricted Range [5%,95%]



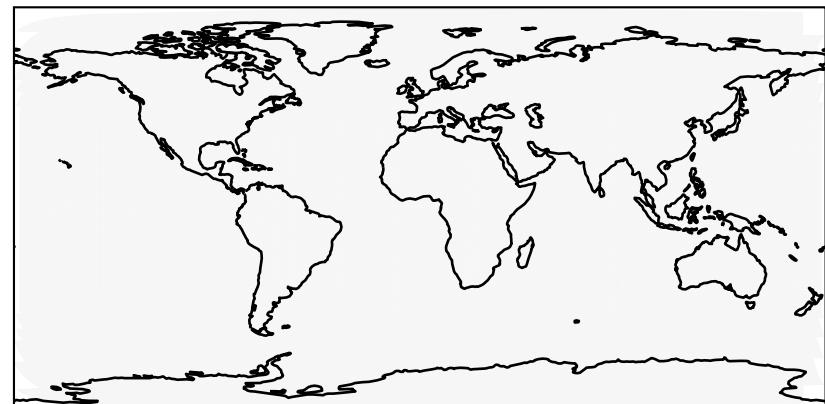
Zero throughout domain
µg/m³

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

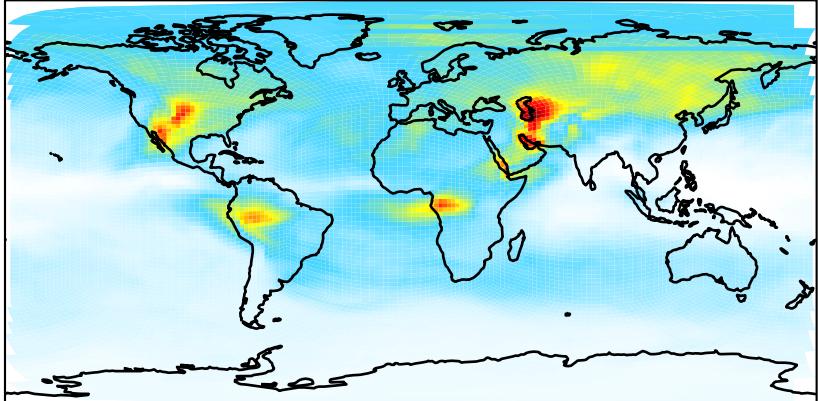
Ratio
Dev/Ref, Fixed Range



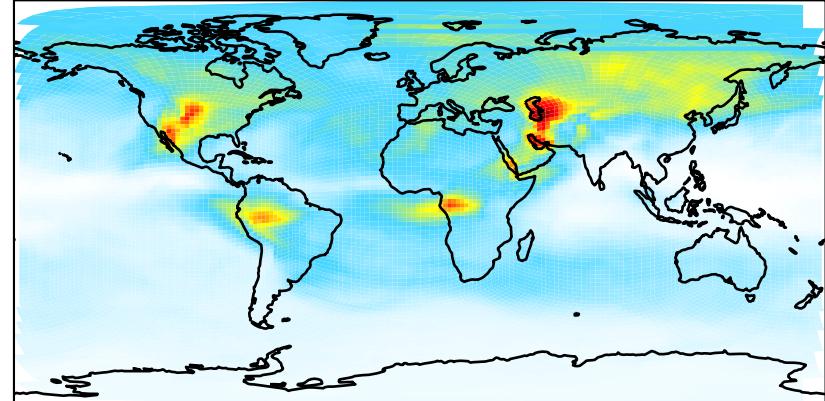
10^0
unitless

SpeciesConc_TSOG3

GCHP_13.2.0-beta.0 (Ref)
c48



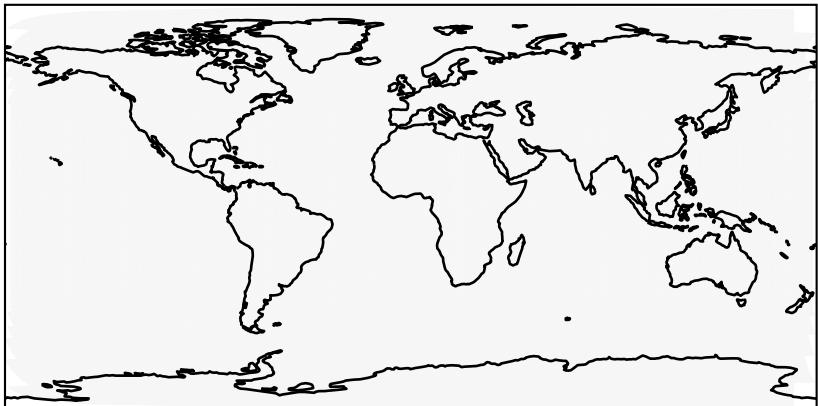
GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48



0.025 0.050 0.075 0.100 0.125 0.150 0.175
 $\mu\text{g}/\text{m}^3$

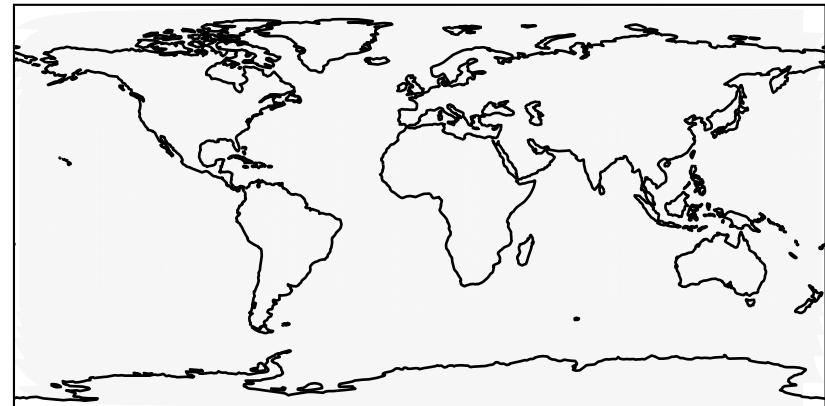
0.025 0.050 0.075 0.100 0.125 0.150 0.175
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



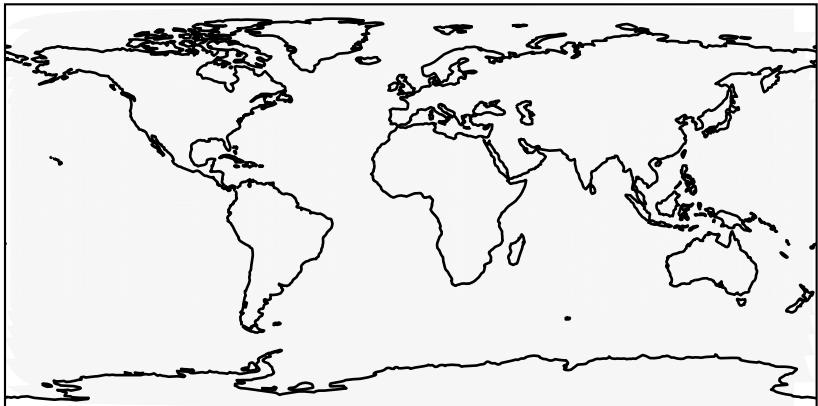
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Restricted Range [5%,95%]



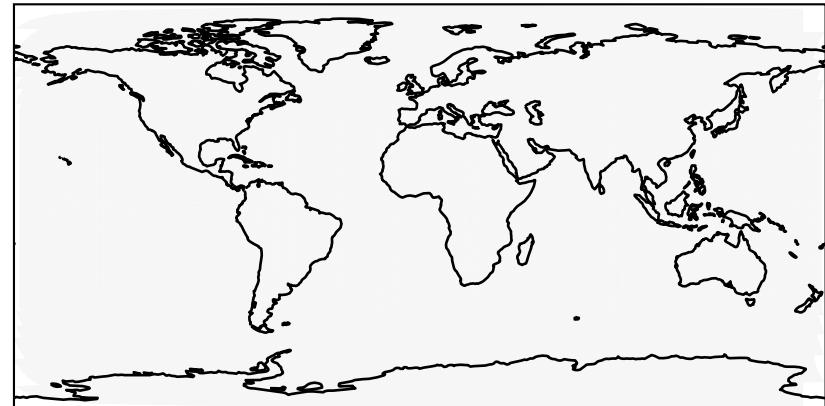
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

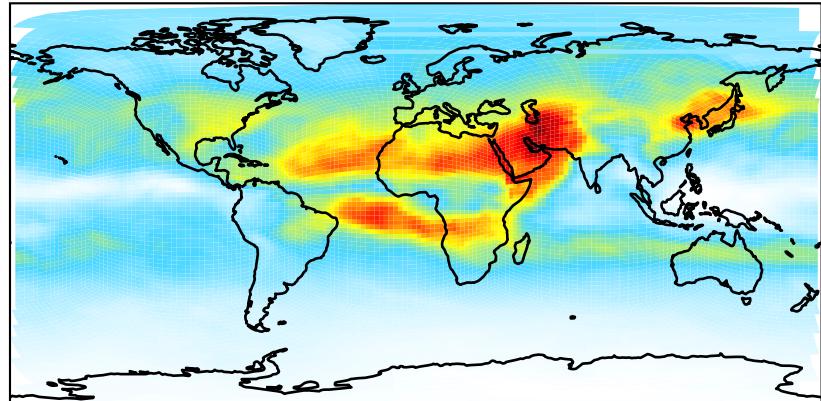
Ratio
Dev/Ref, Fixed Range



10^0
unitless

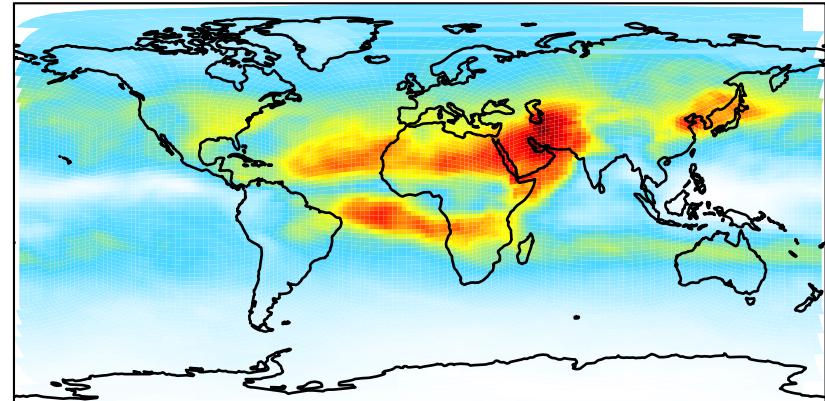
SpeciesConc_ASOG1

GCHP_13.2.0-beta.0 (Ref)
c48



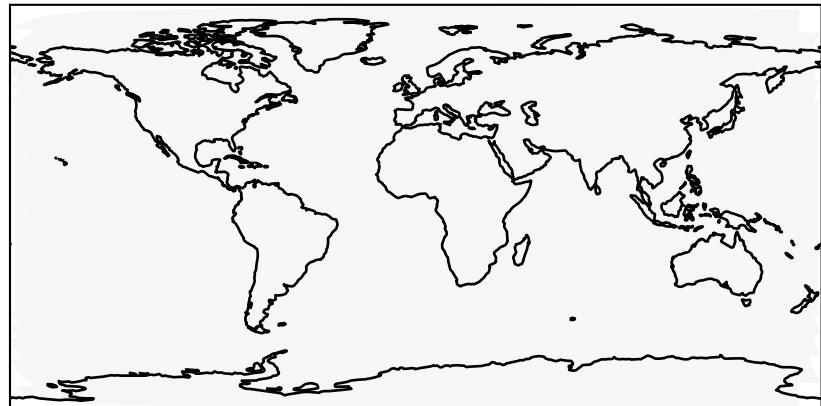
0.0008 0.0016 0.0024
 $\mu\text{g}/\text{m}^3$

GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48



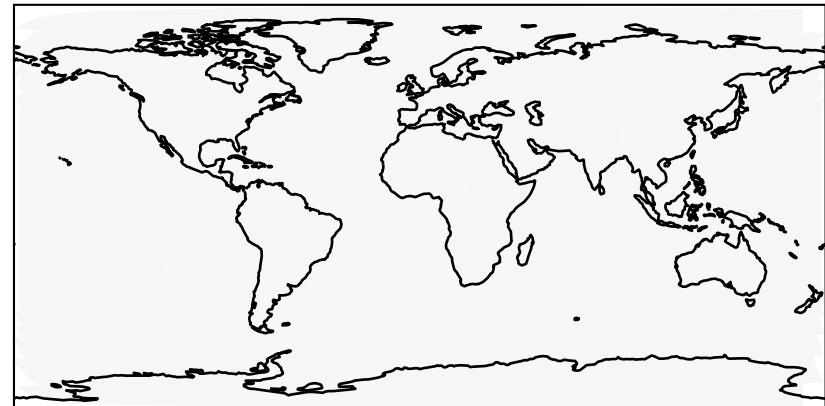
0.0008 0.0016 0.0024
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Dynamic Range



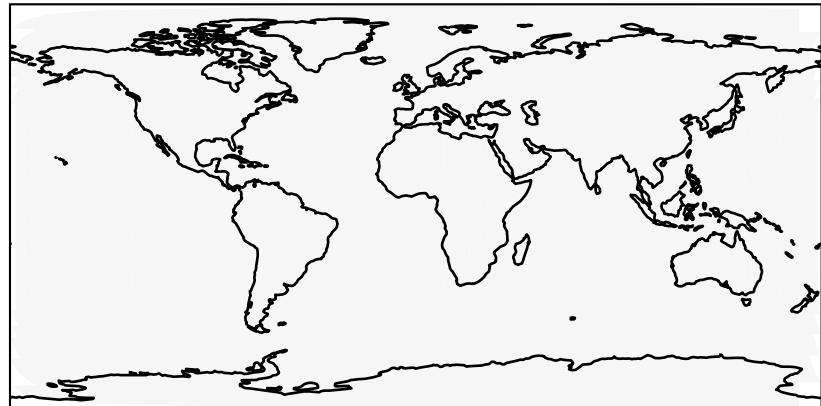
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Restricted Range [5%,95%]



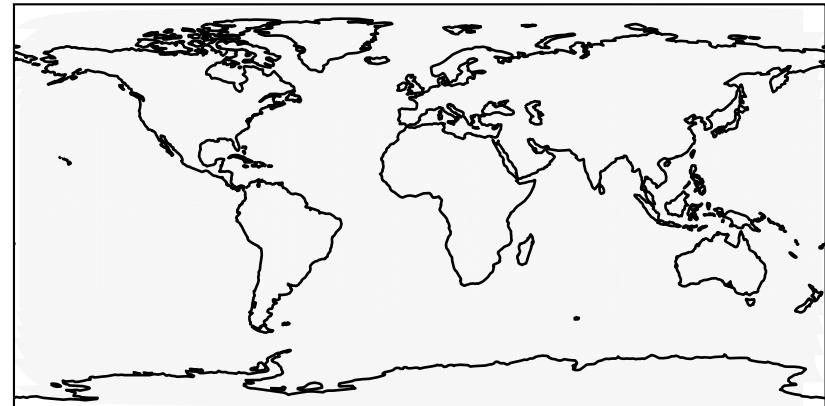
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

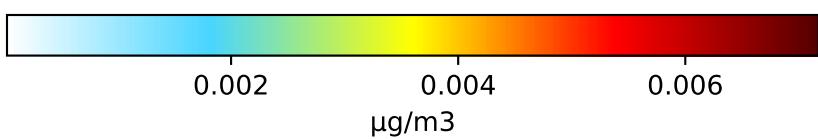
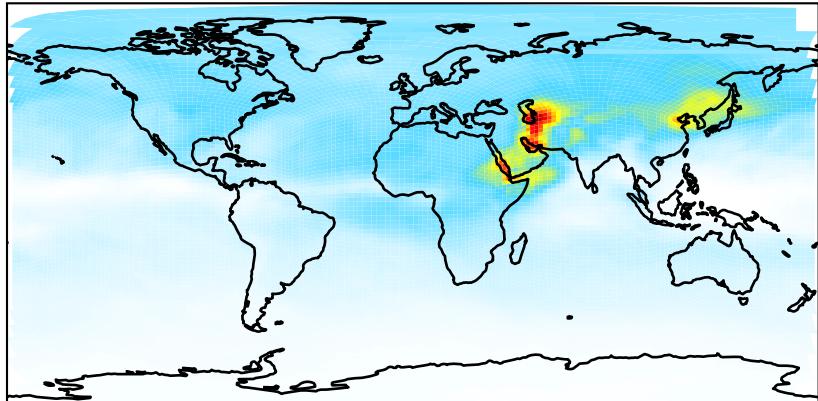
Ratio
Dev/Ref, Fixed Range



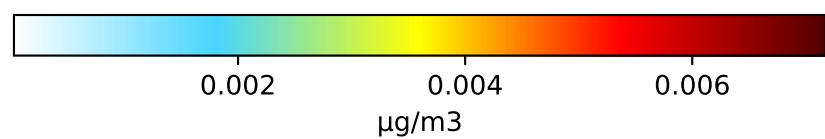
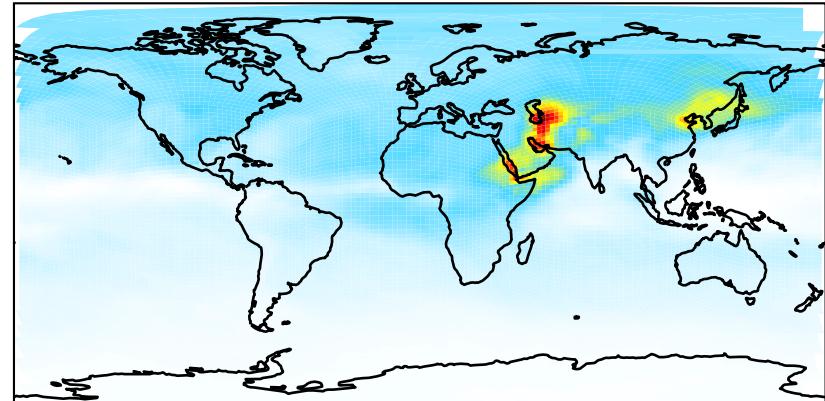
10^0
unitless

SpeciesConc_ASOG2

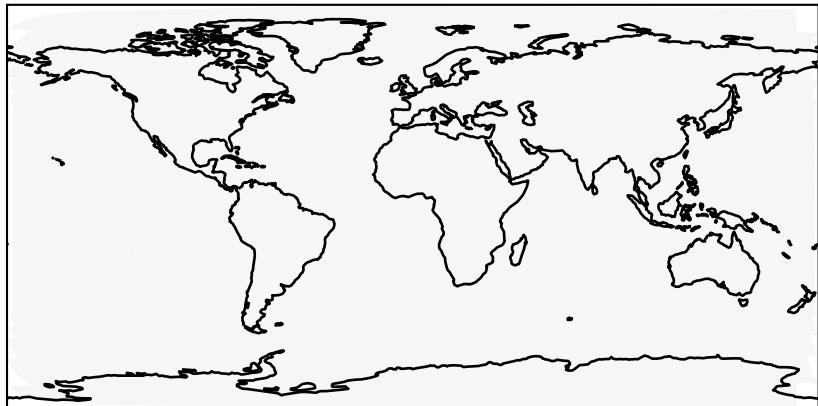
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

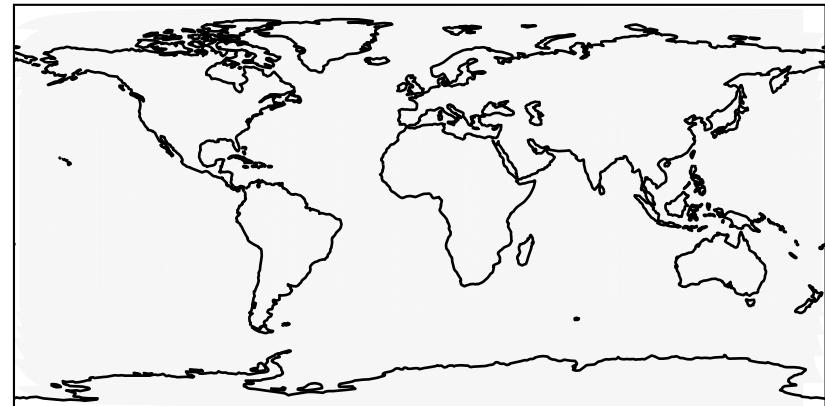


Difference
Dev - Ref, Dynamic Range



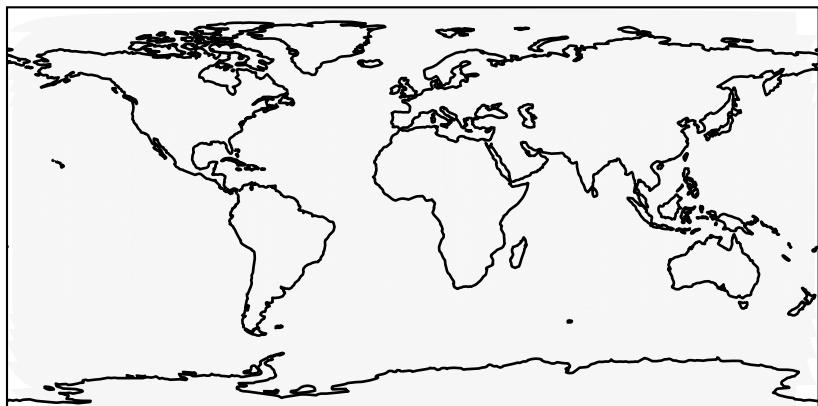
Zero throughout domain
µg/m³

Difference
Dev - Ref, Restricted Range [5%,95%]



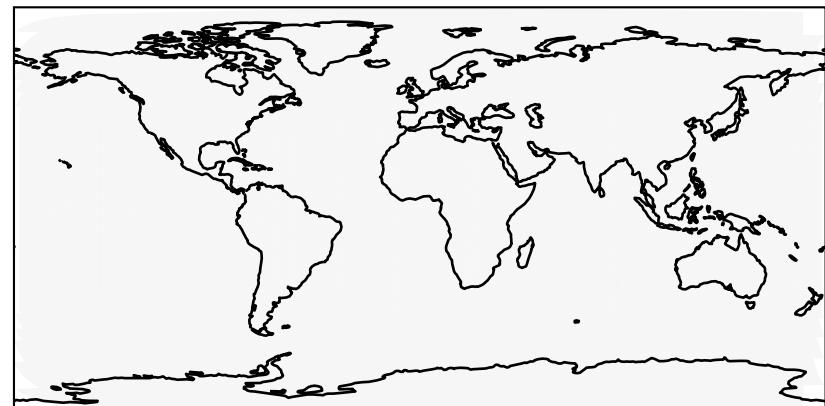
Zero throughout domain
µg/m³

Ratio
Dev/Ref, Dynamic Range



10⁰
unitless

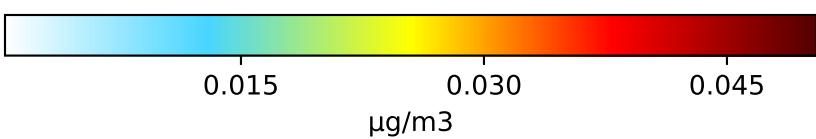
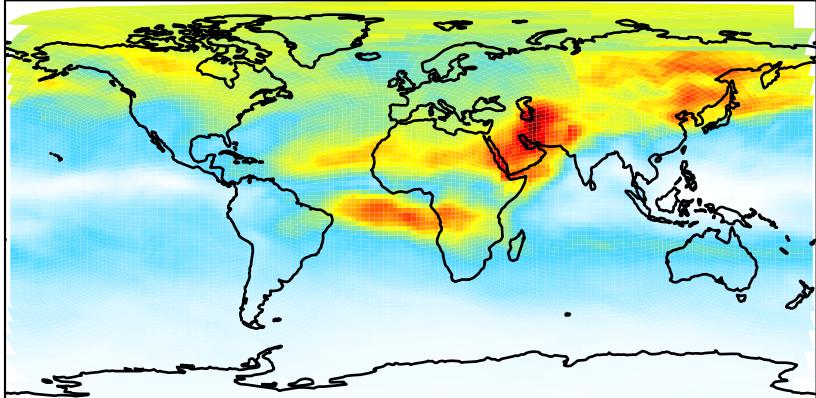
Ratio
Dev/Ref, Fixed Range



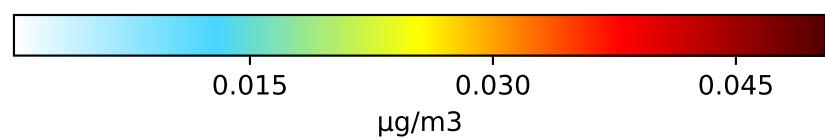
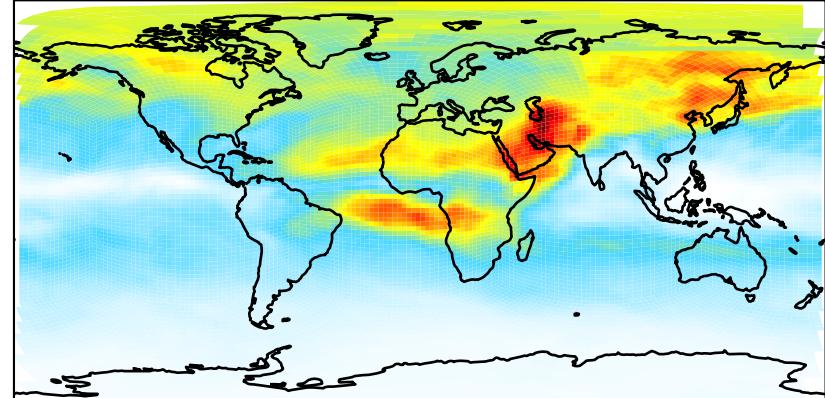
10⁰
unitless

SpeciesConc_ASOG3

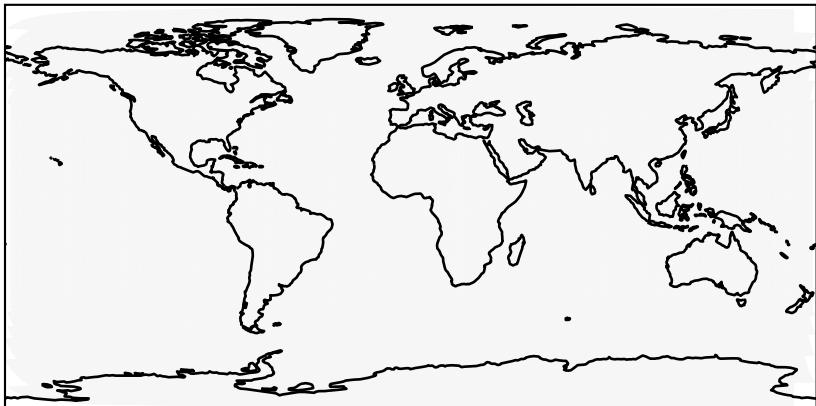
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

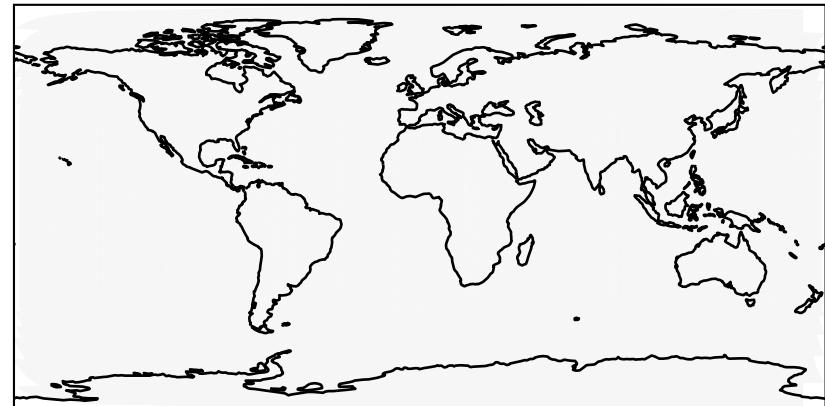


Difference
Dev - Ref, Dynamic Range



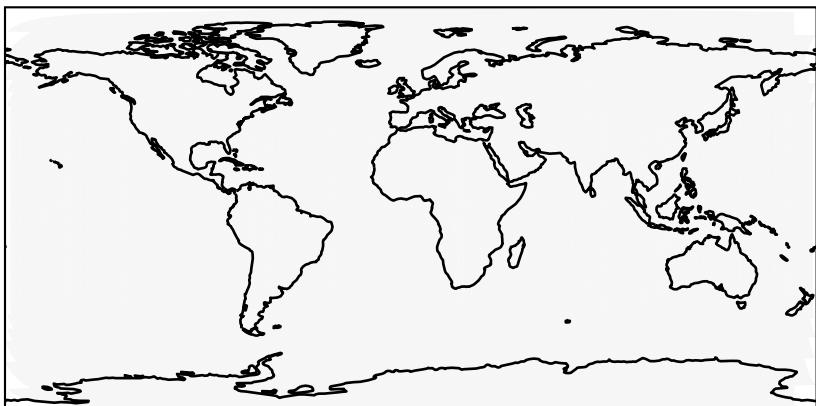
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Restricted Range [5%,95%]



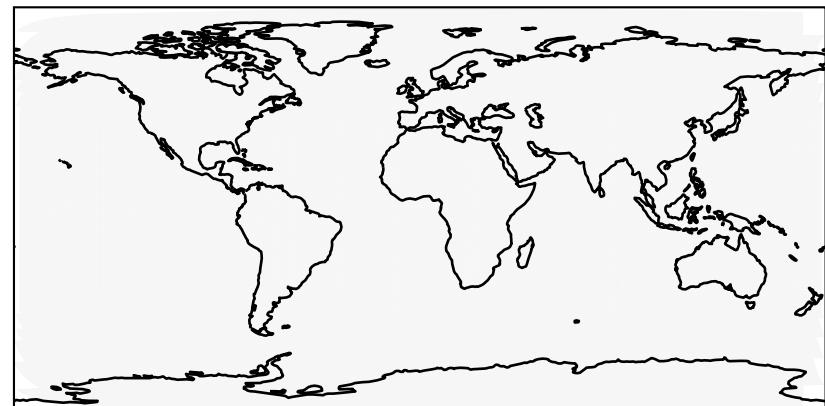
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

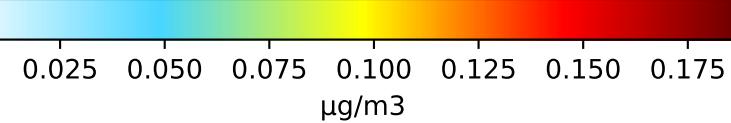
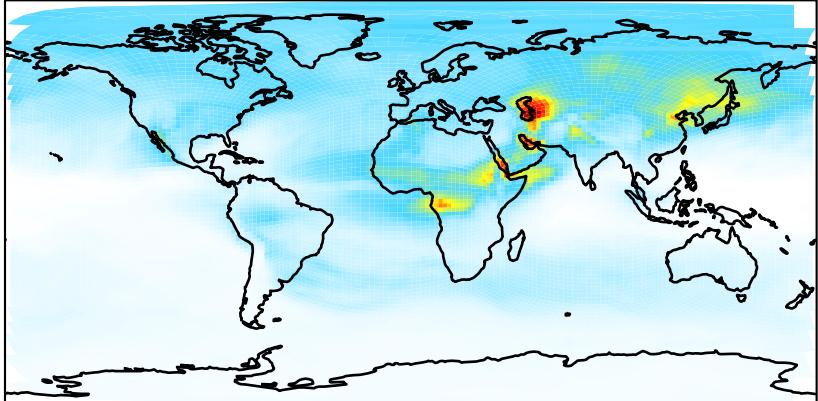
Ratio
Dev/Ref, Fixed Range



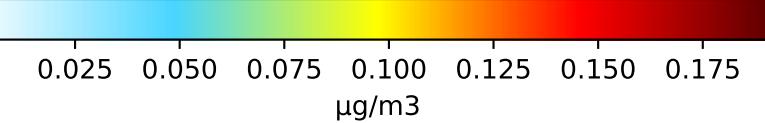
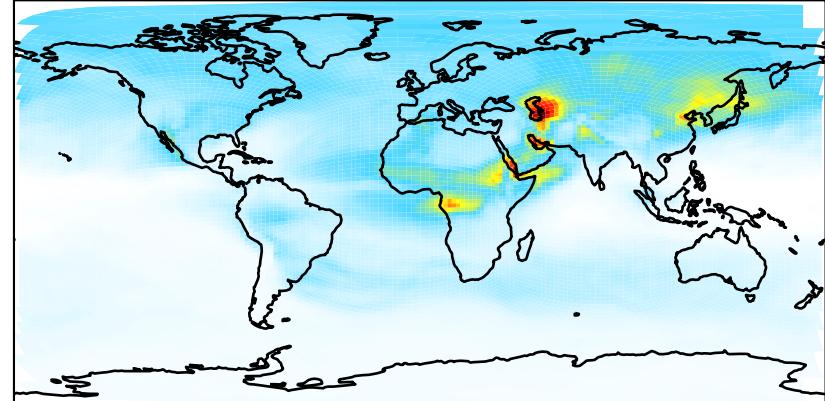
10^0
unitless

SpeciesConc_INDIOL

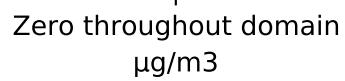
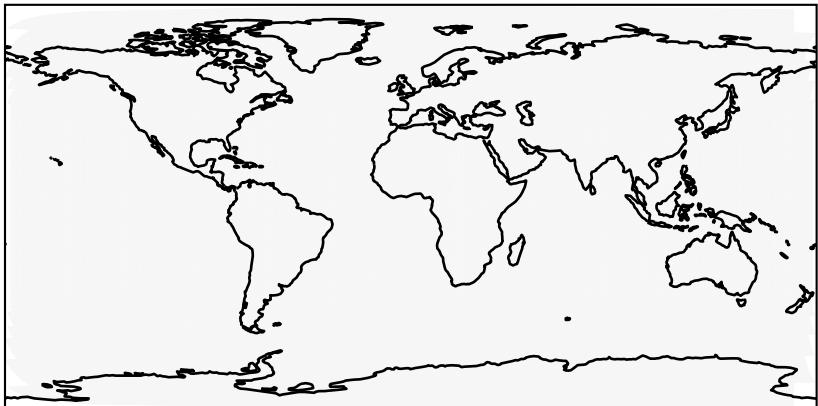
GCHP_13.2.0-beta.0 (Ref)
c48



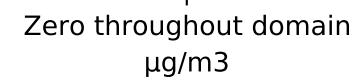
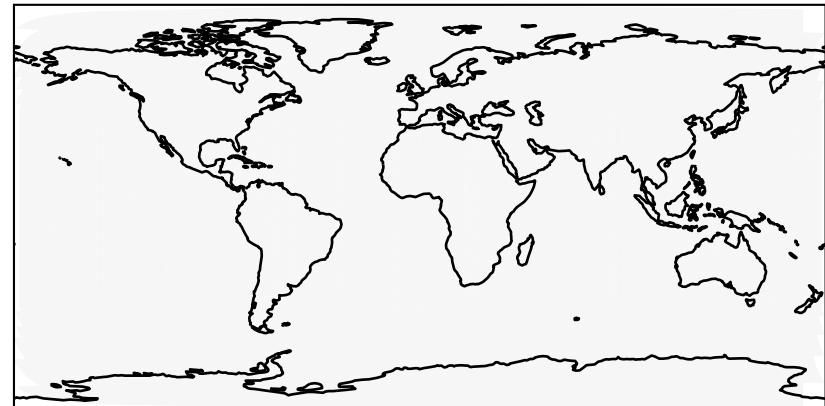
GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48



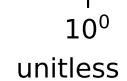
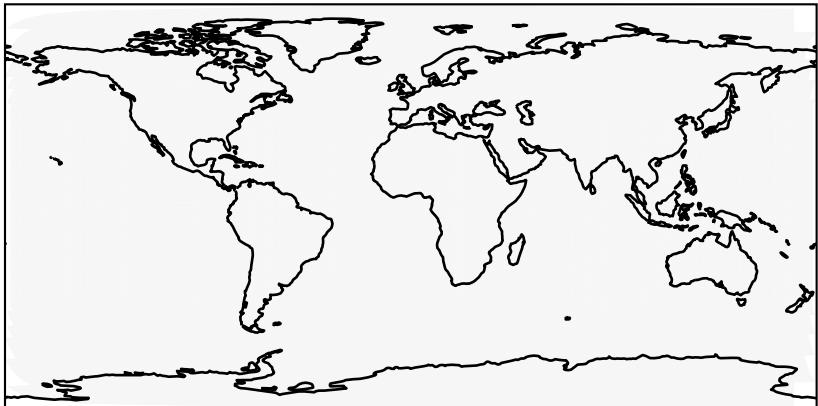
Difference
Dev - Ref, Dynamic Range



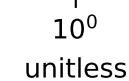
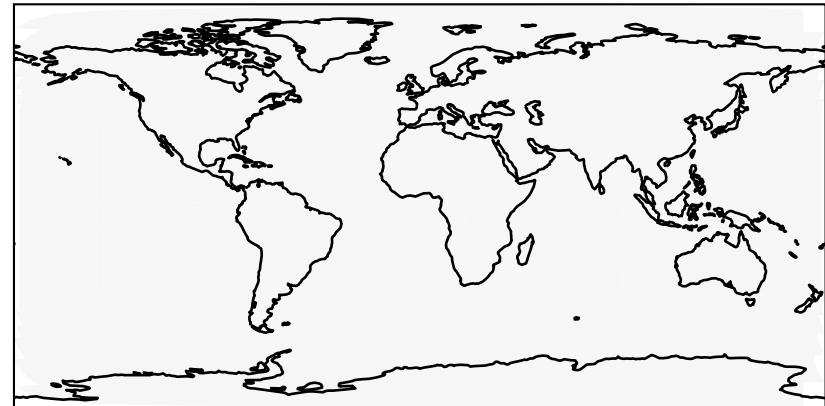
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

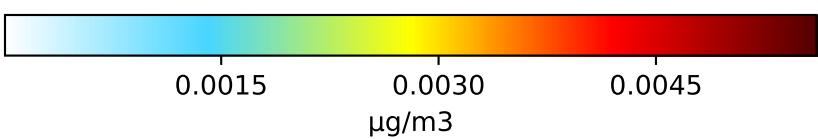
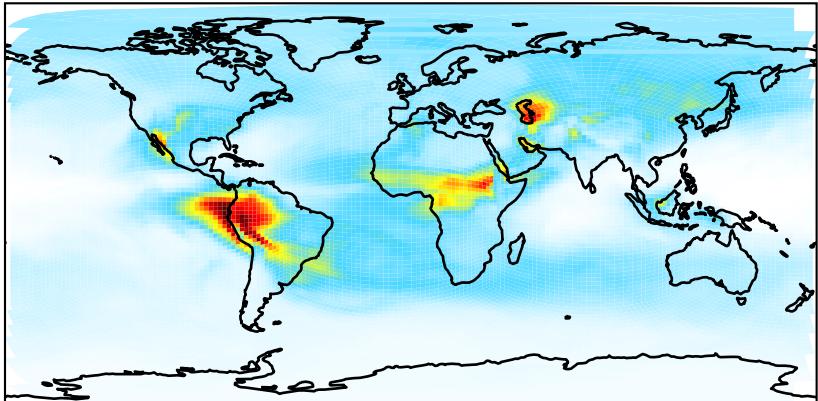


Ratio
Dev/Ref, Fixed Range

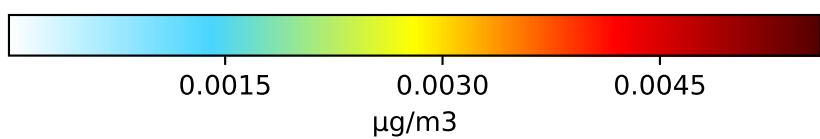
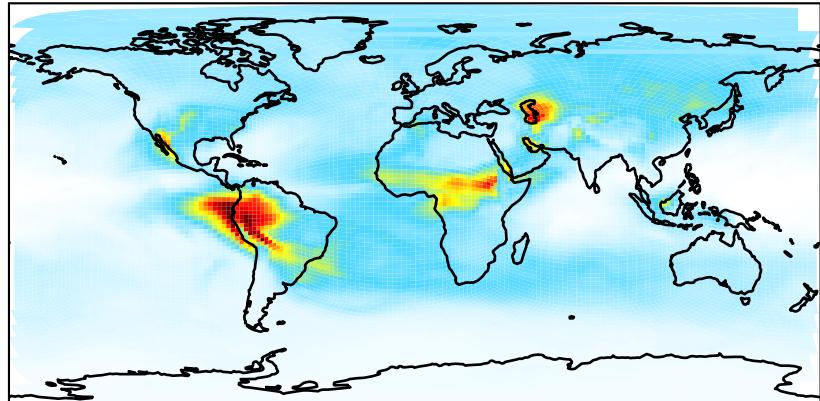


SpeciesConc_LVOCOA

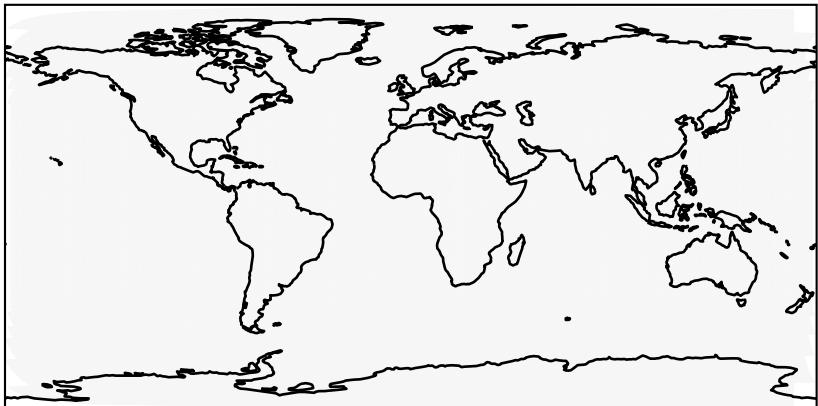
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

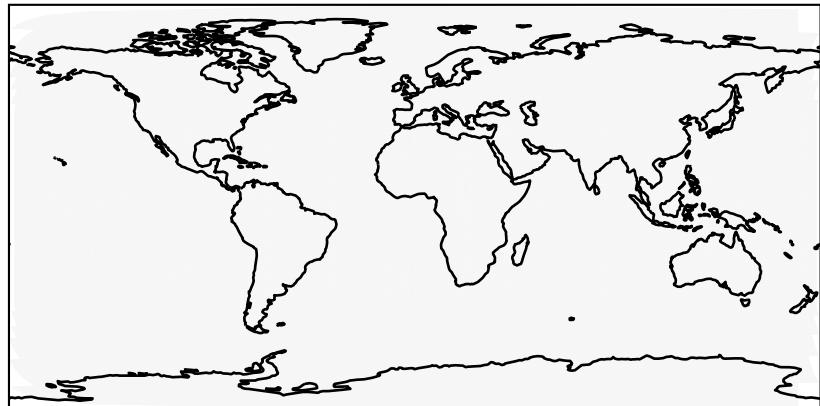


Difference
Dev - Ref, Dynamic Range



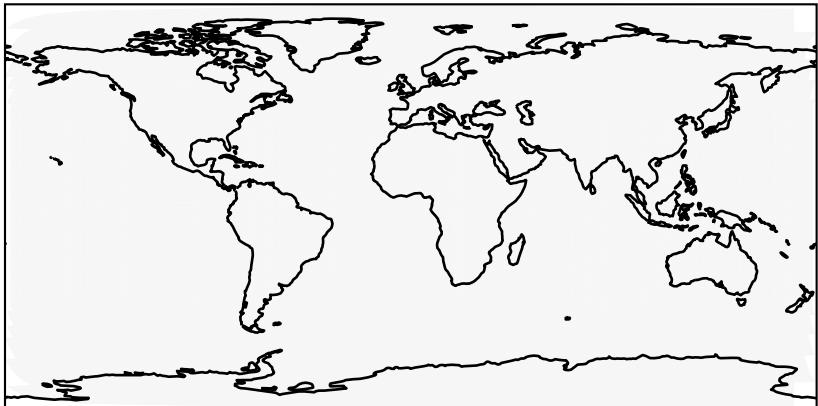
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Restricted Range [5%,95%]



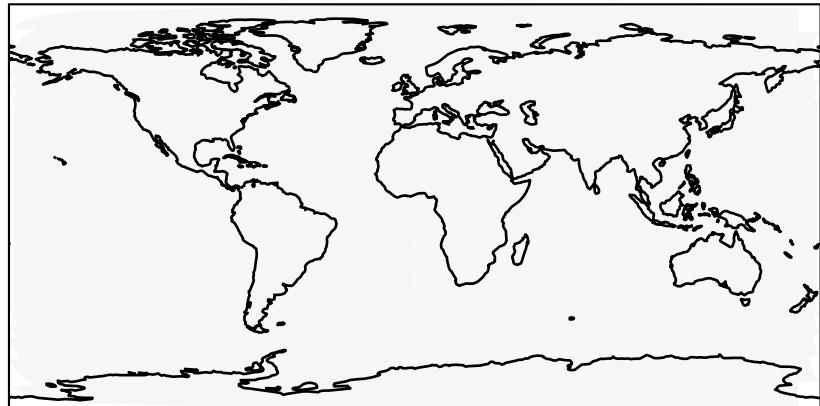
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

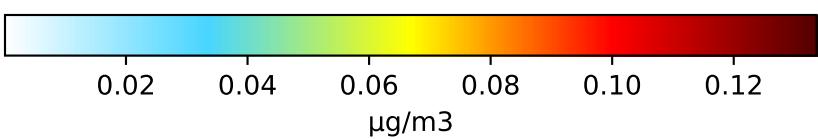
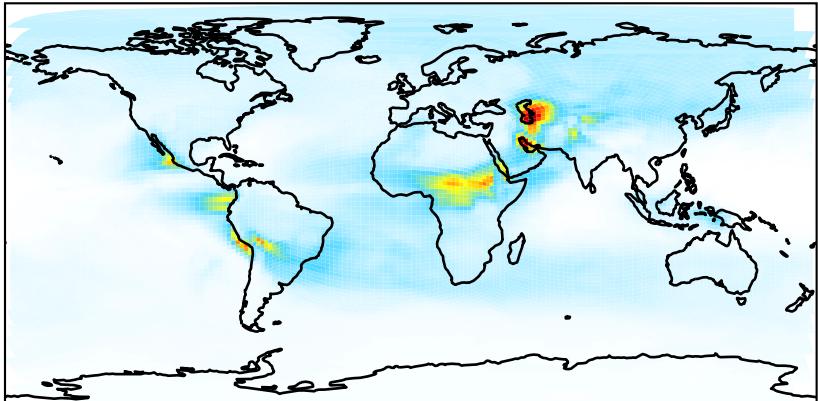
Ratio
Dev/Ref, Fixed Range



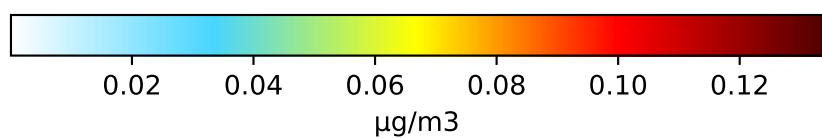
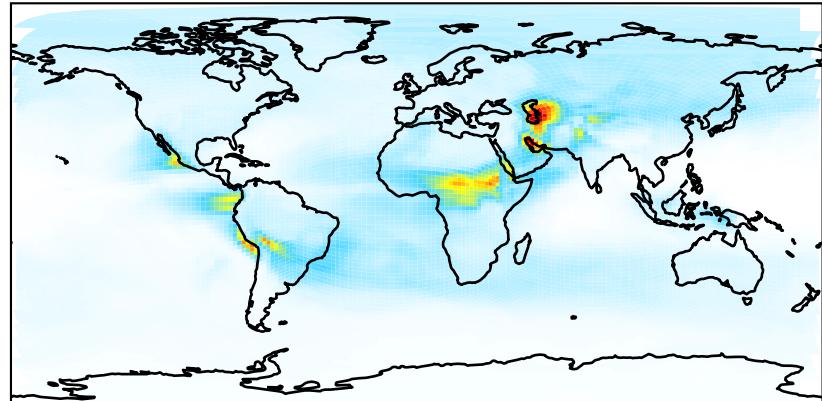
10^0
unitless

SpeciesConc_SOAIE

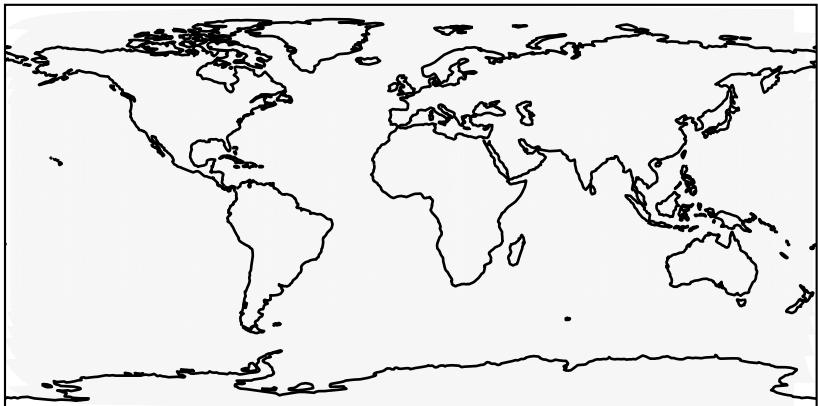
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

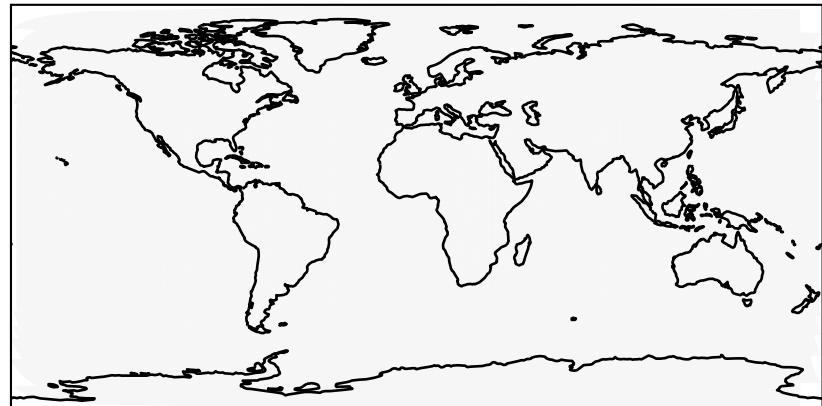


Difference
Dev - Ref, Dynamic Range



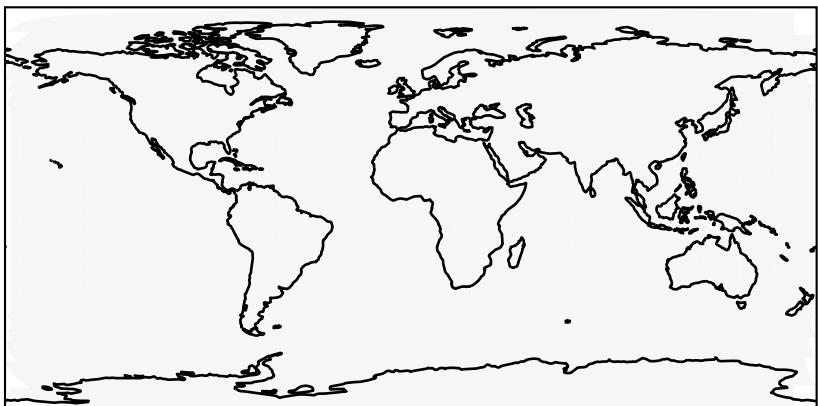
Zero throughout domain
µg/m³

Difference
Dev - Ref, Restricted Range [5%,95%]



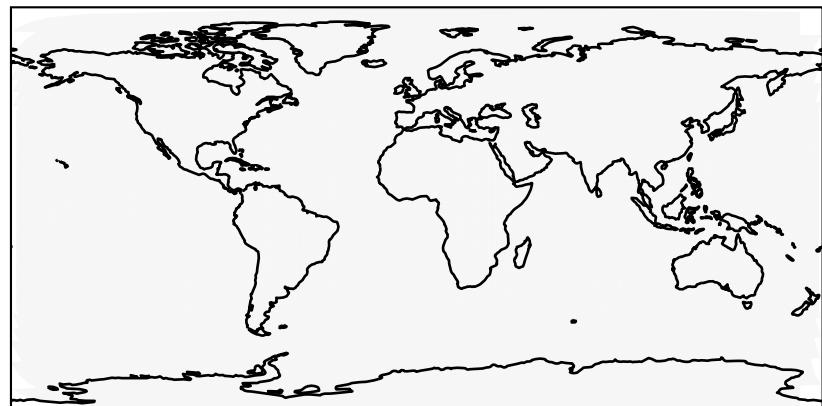
Zero throughout domain
µg/m³

Ratio
Dev/Ref, Dynamic Range



10⁰
unitless

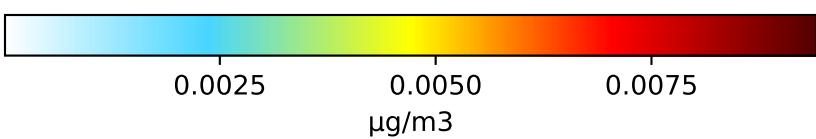
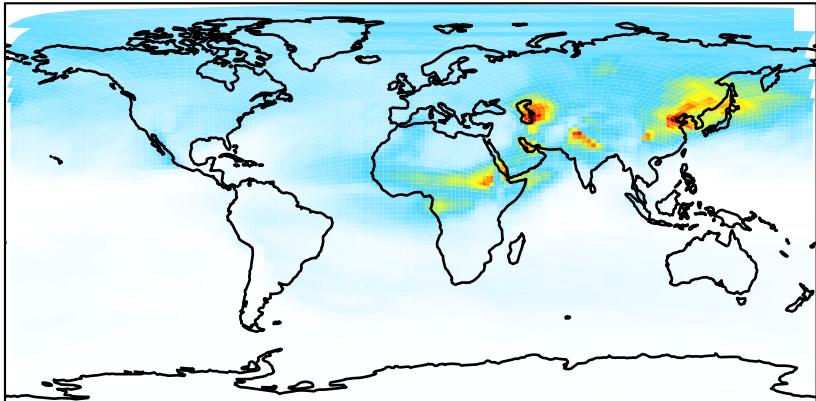
Ratio
Dev/Ref, Fixed Range



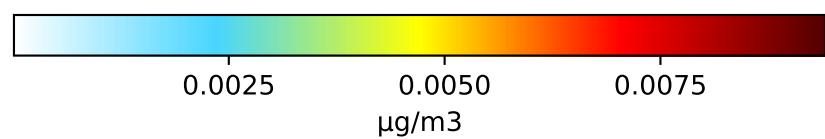
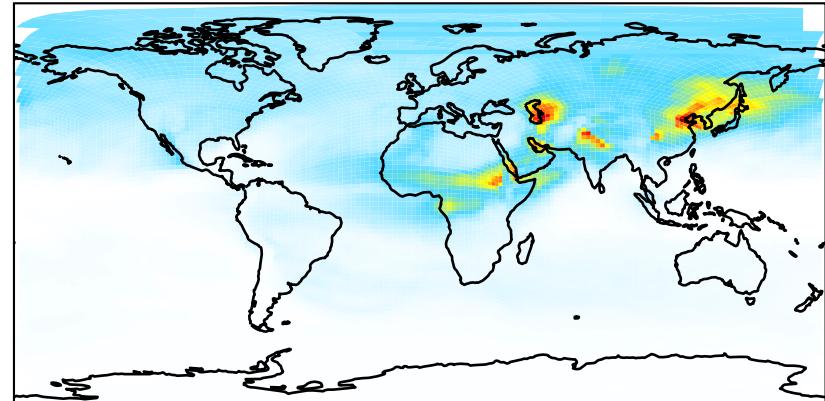
10⁰
unitless

SpeciesConc_SOAGX

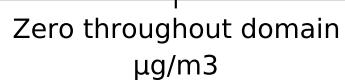
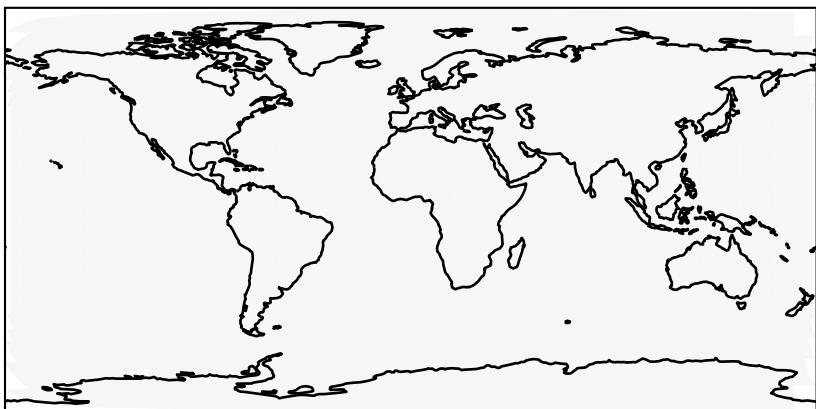
GCHP_13.2.0-beta.0 (Ref)
c48



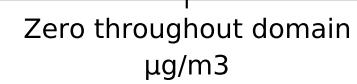
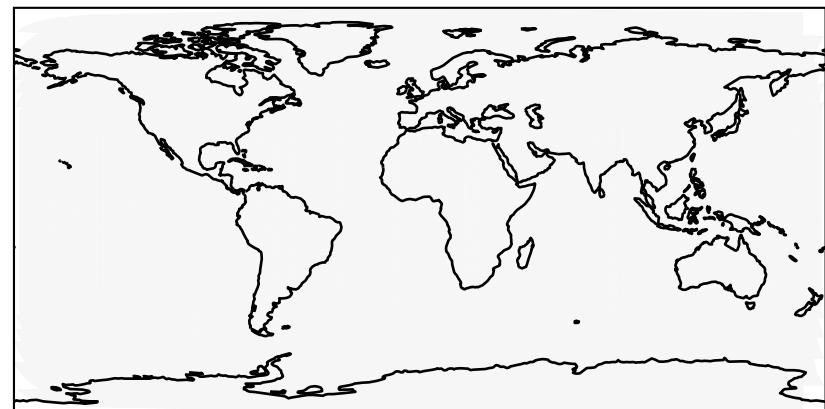
GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48



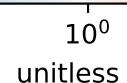
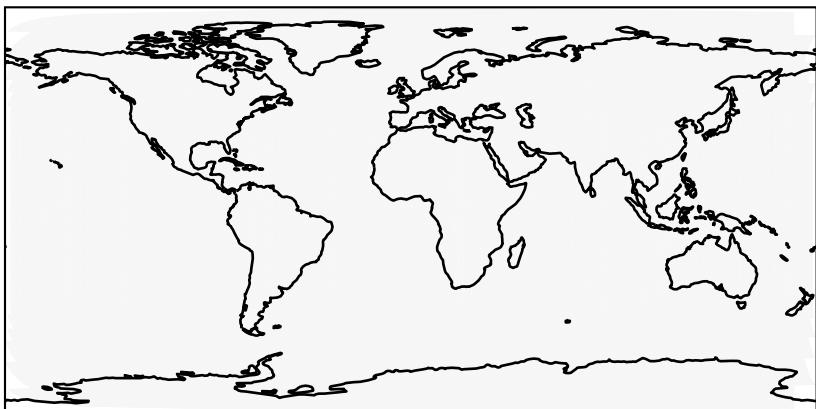
Difference
Dev - Ref, Dynamic Range



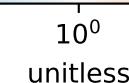
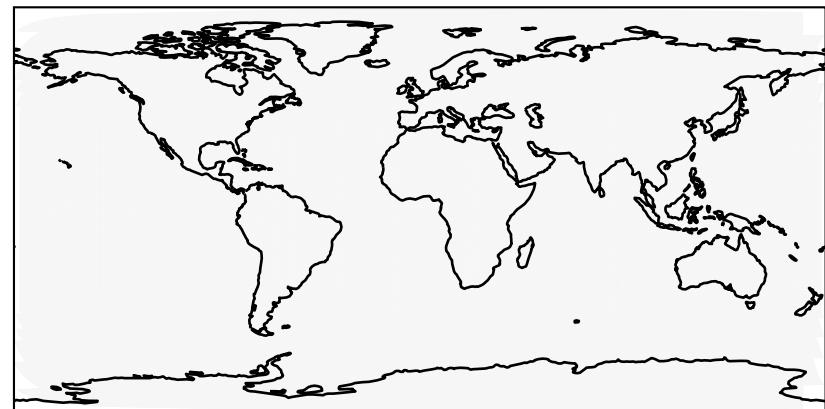
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

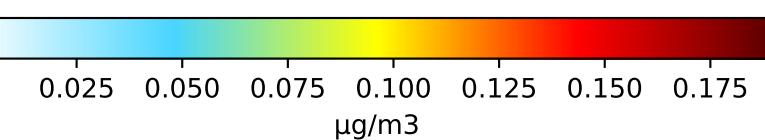
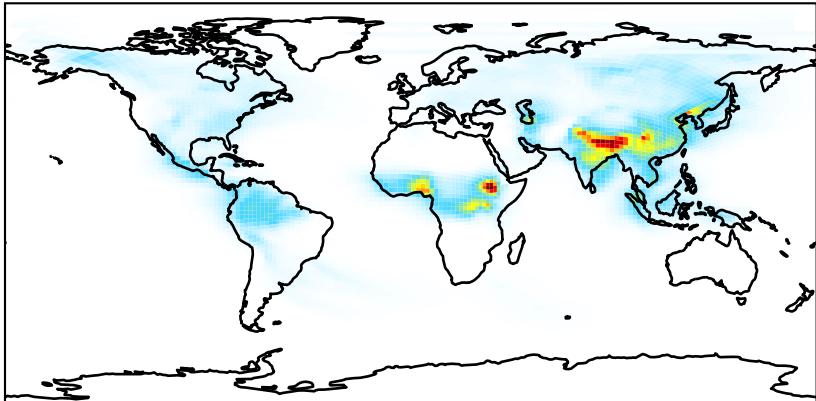


Ratio
Dev/Ref, Fixed Range

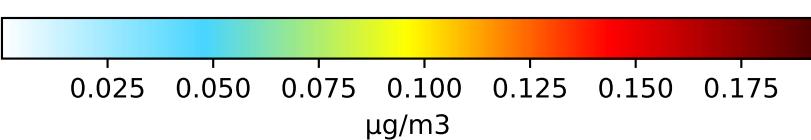
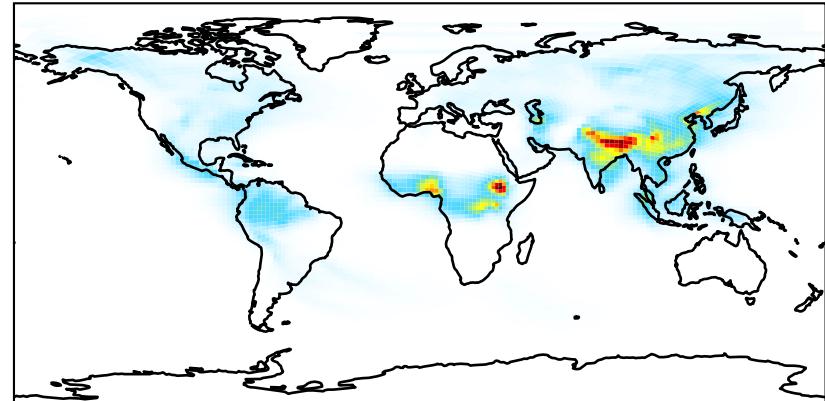


SpeciesConc_SOAP

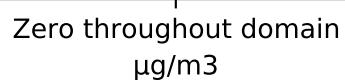
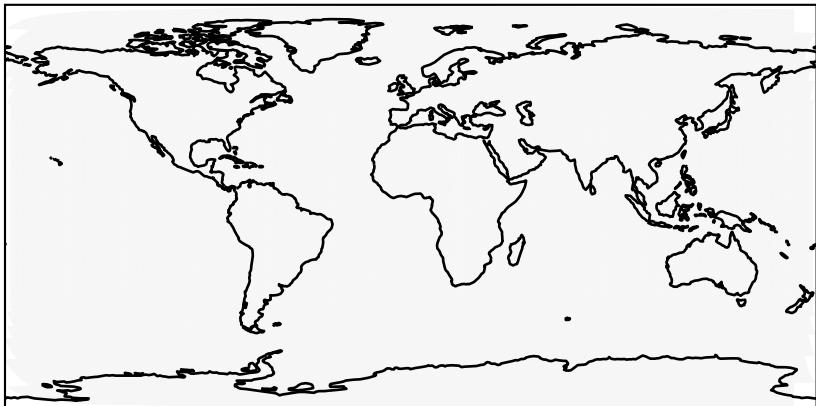
GCHP_13.2.0-beta.0 (Ref)
c48



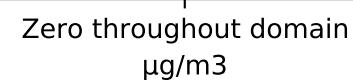
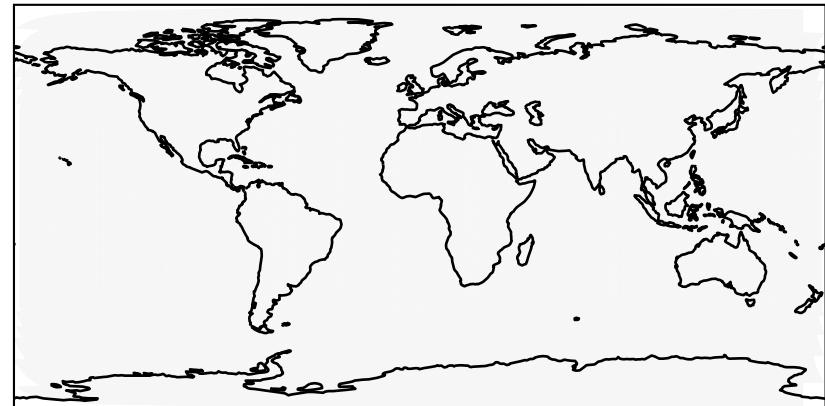
GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48



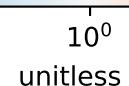
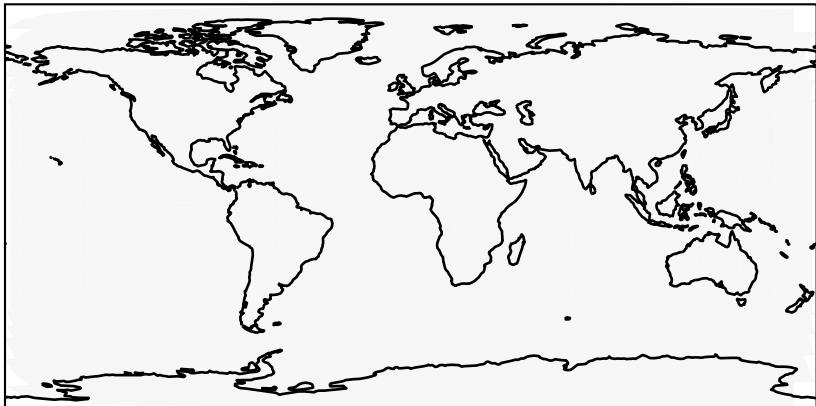
Difference
Dev - Ref, Dynamic Range



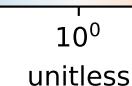
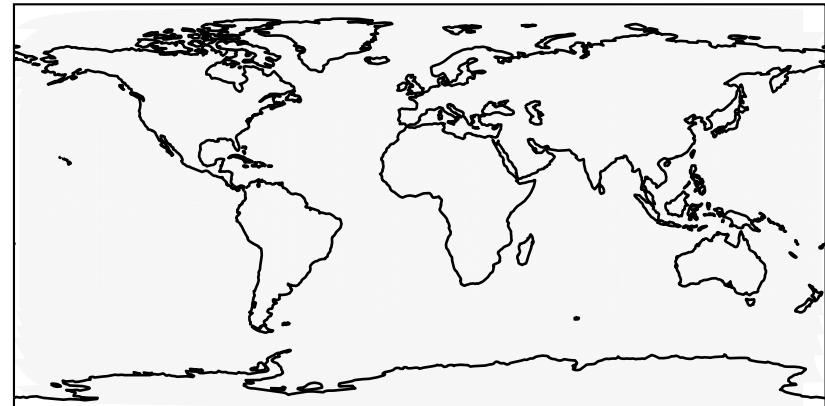
Difference
Dev - Ref, Restricted Range [5%,95%]



Ratio
Dev/Ref, Dynamic Range

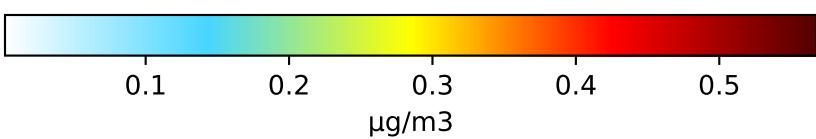
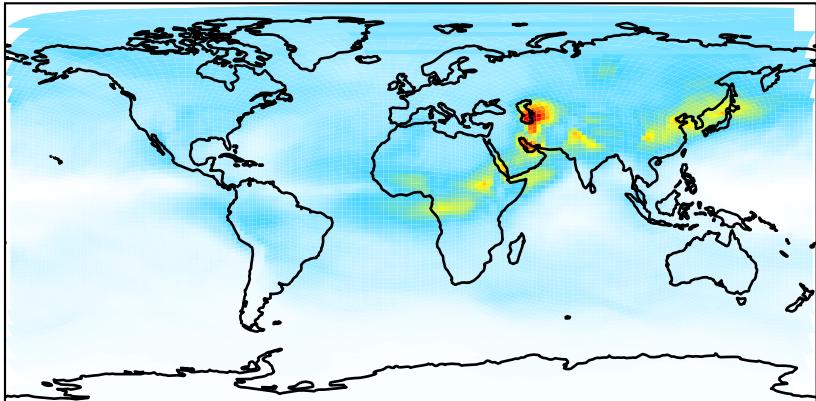


Ratio
Dev/Ref, Fixed Range

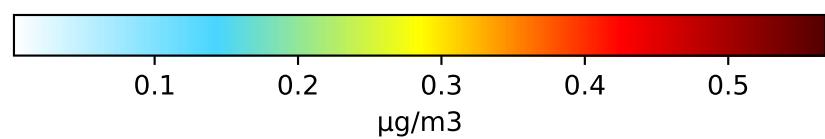
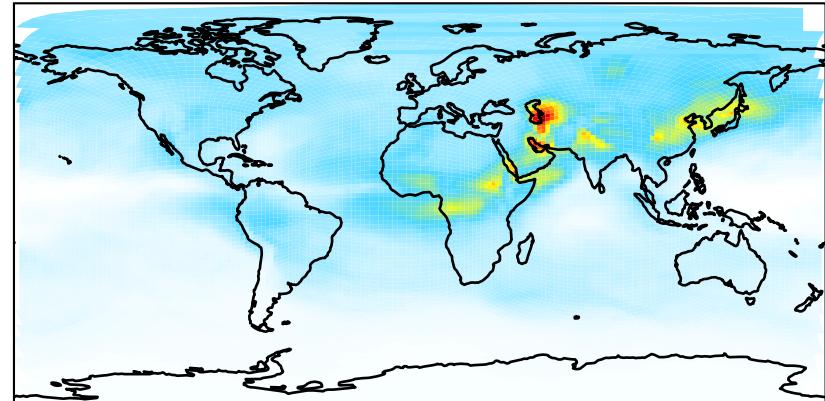


SpeciesConc_SOAS

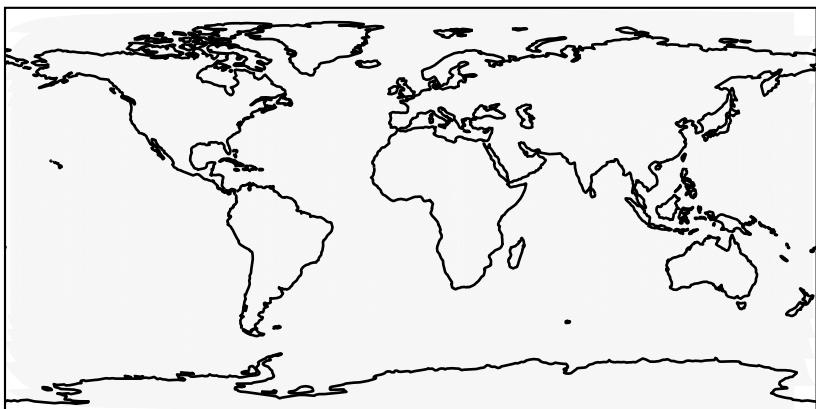
GCHP_13.2.0-beta.0 (Ref)
c48



GCHP_13.2.0-beta.0-LuoWetdep (Dev)
c48

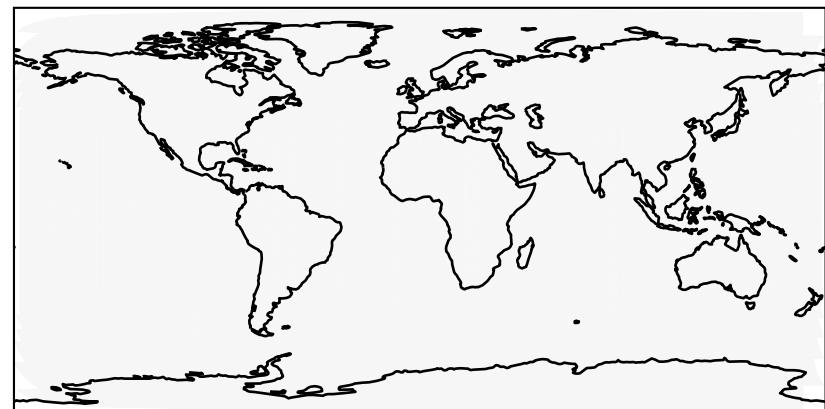


Difference
Dev - Ref, Dynamic Range



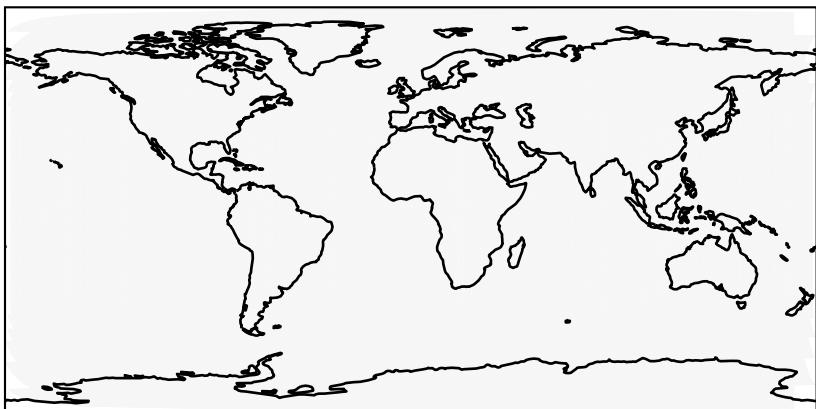
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Difference
Dev - Ref, Restricted Range [5%,95%]



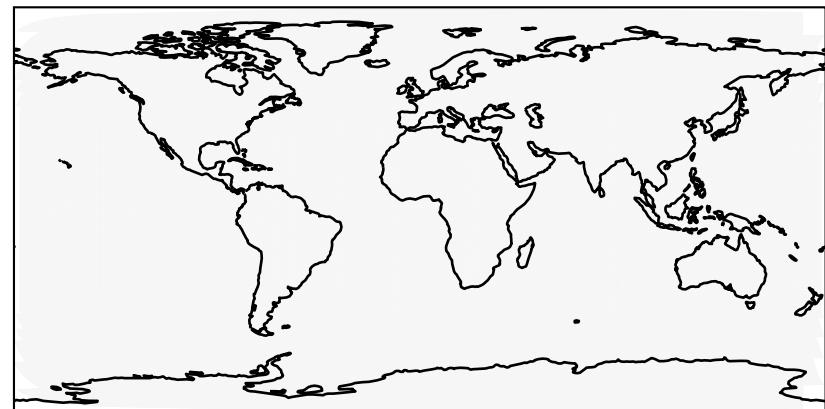
Zero throughout domain
 $\mu\text{g}/\text{m}^3$

Ratio
Dev/Ref, Dynamic Range



10^0
unitless

Ratio
Dev/Ref, Fixed Range



10^0
unitless